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FIG. 1

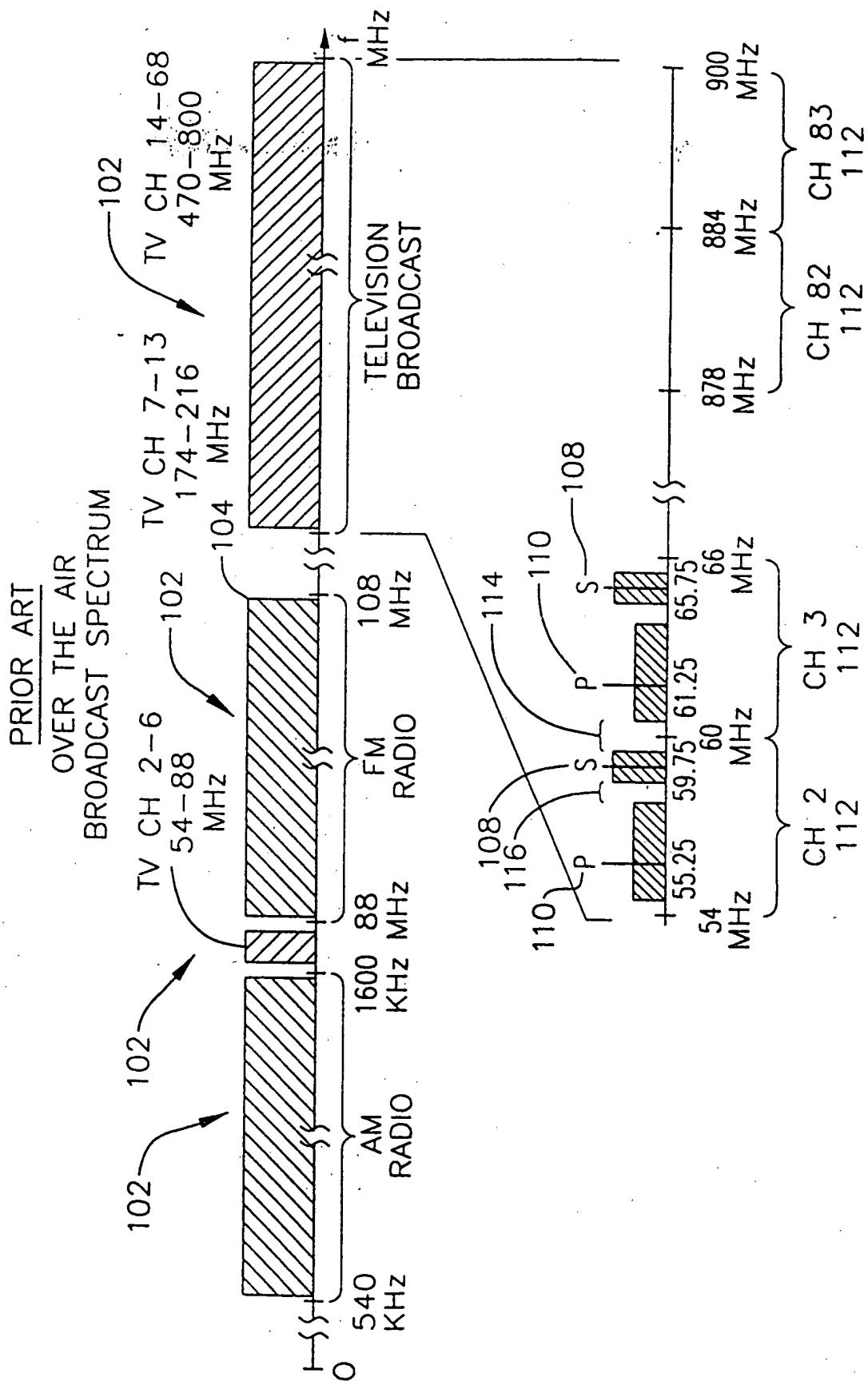


FIG.2

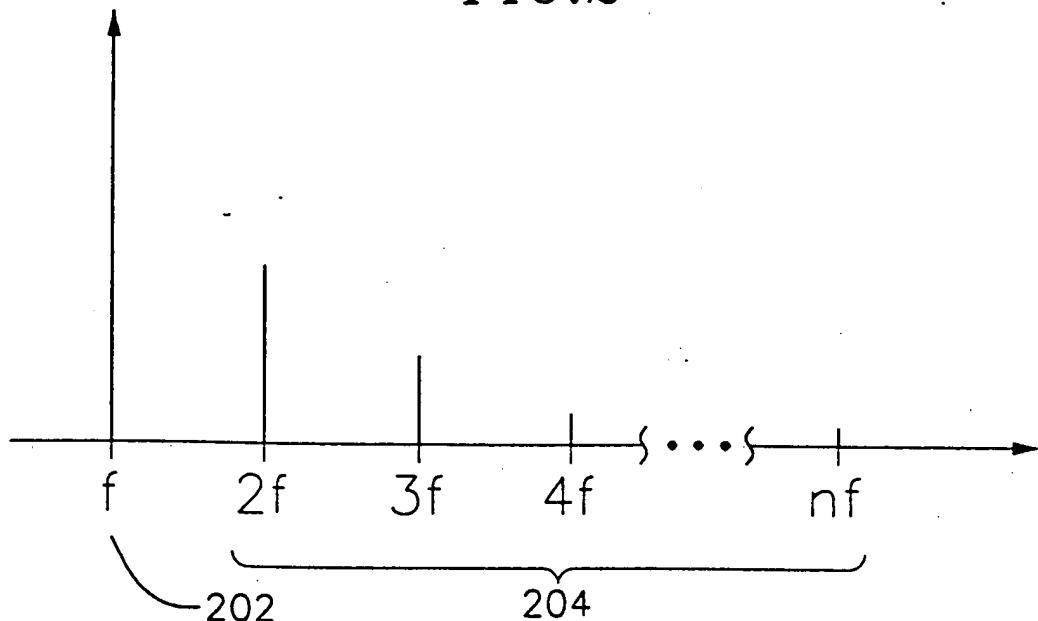
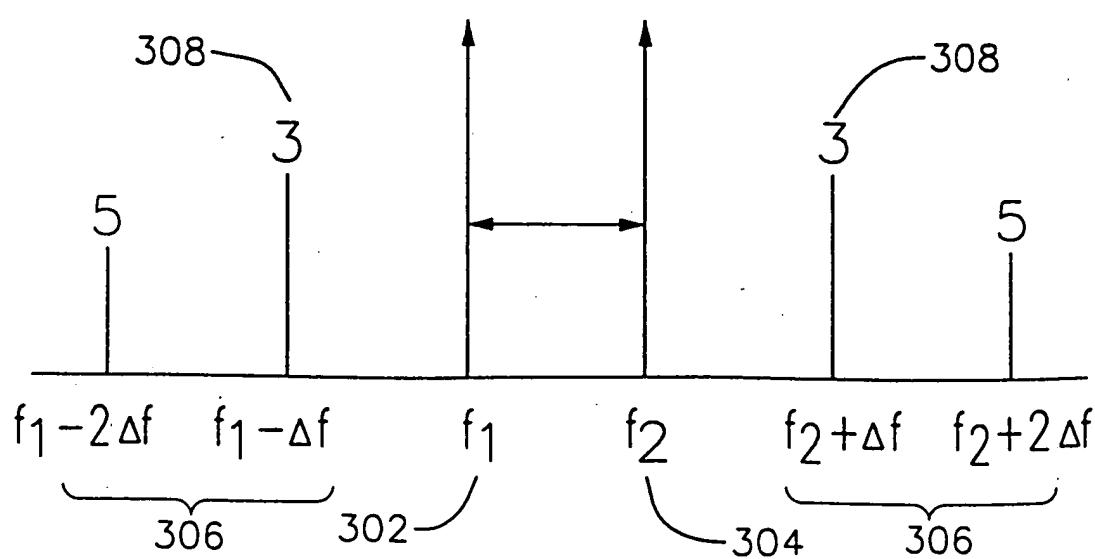


FIG.3

PRIOR ART



PRIOR ART

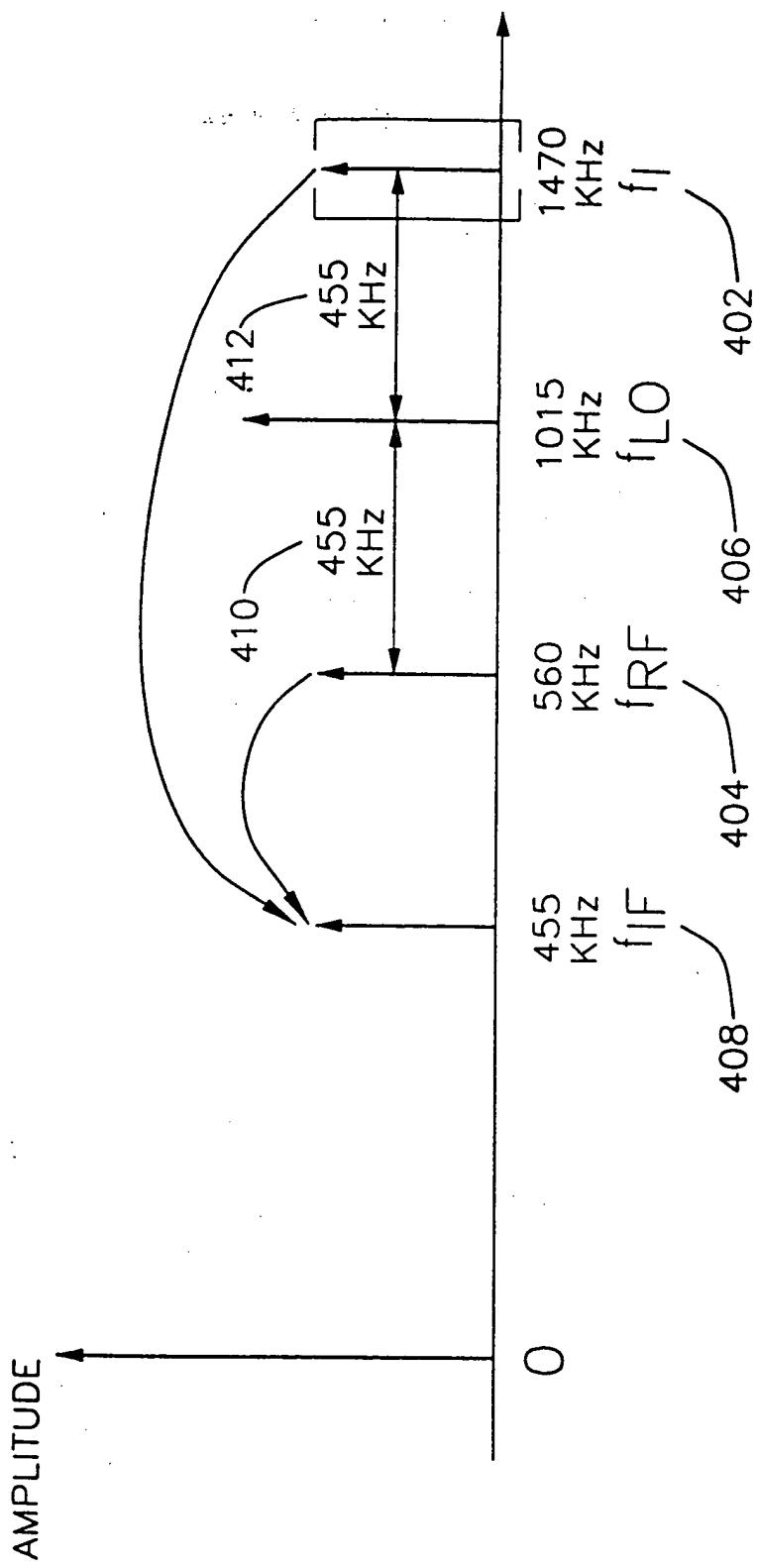


FIG. 5
DUAL CONVERSION RECEIVER

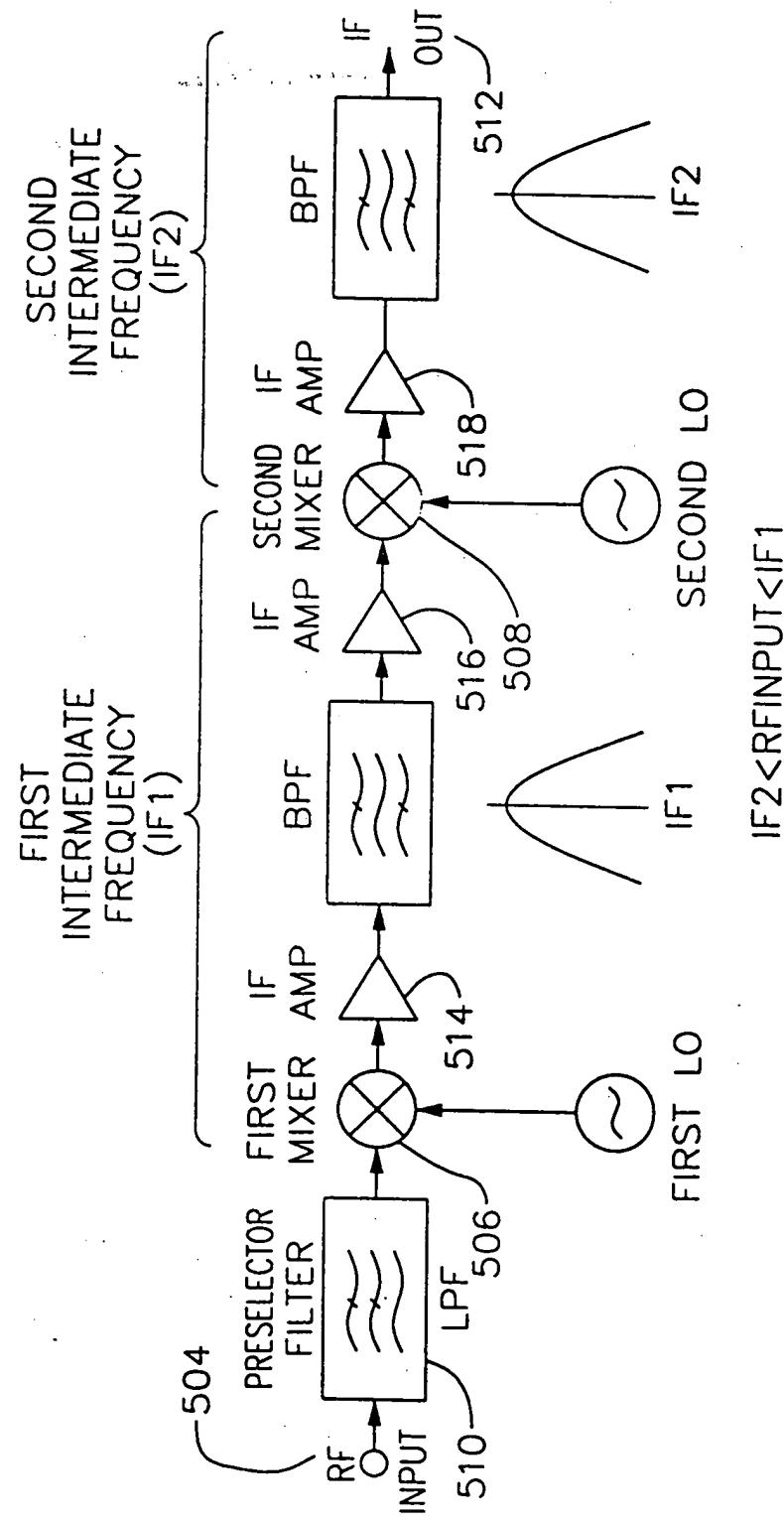


FIG. 6

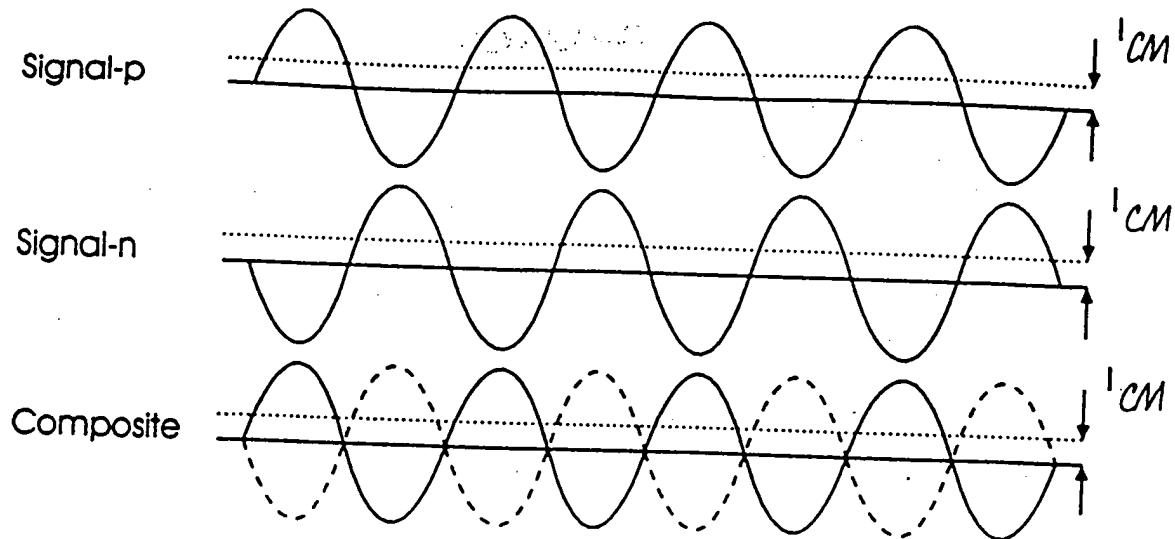


FIG. 7

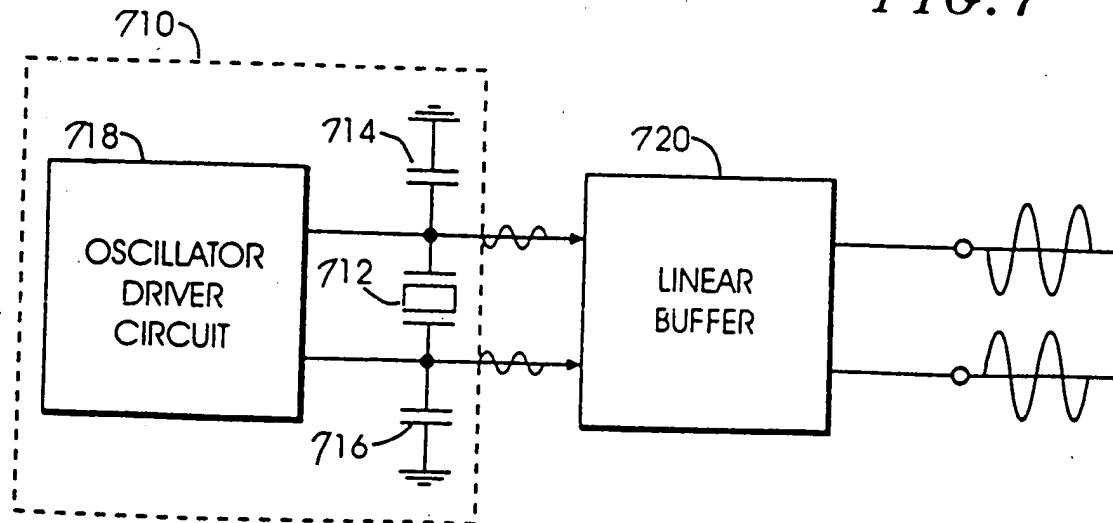


FIG. 8

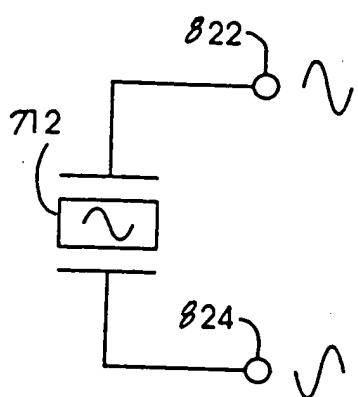


FIG. 9

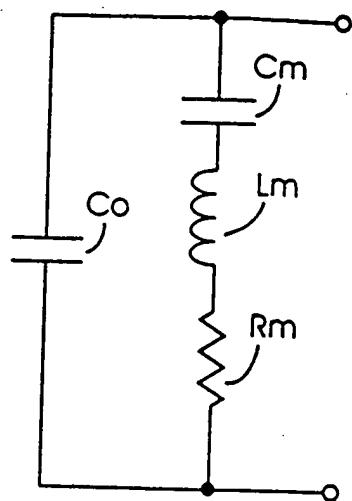


FIG. 10

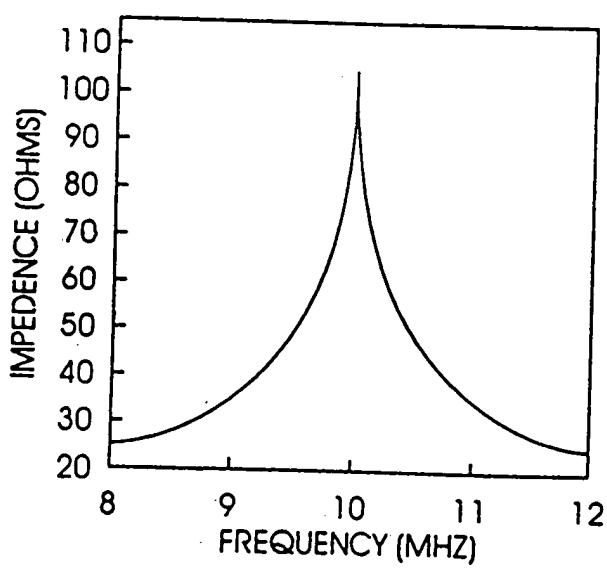


FIG. 11

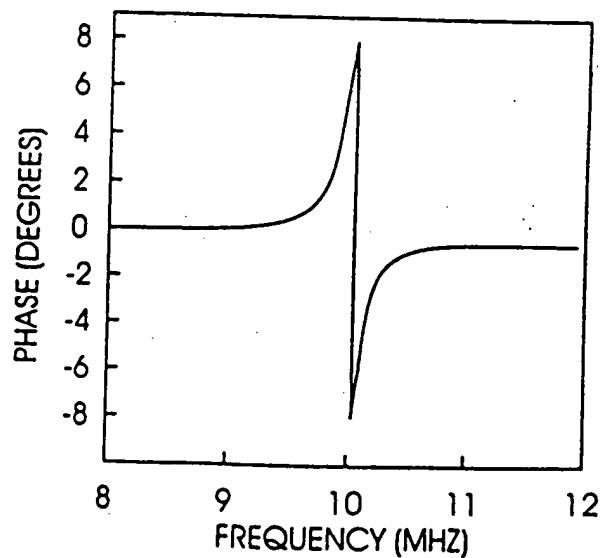


FIG. 12

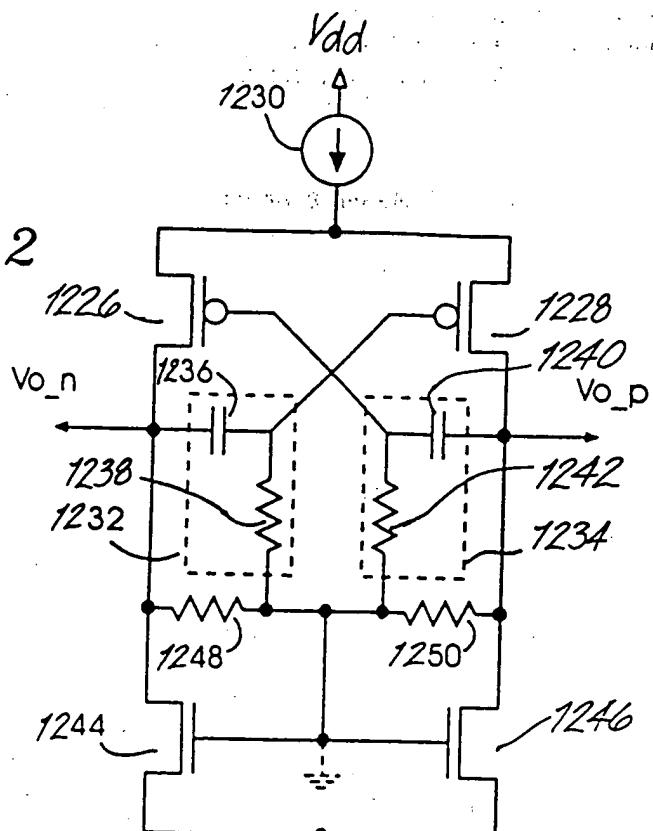


FIG. 13

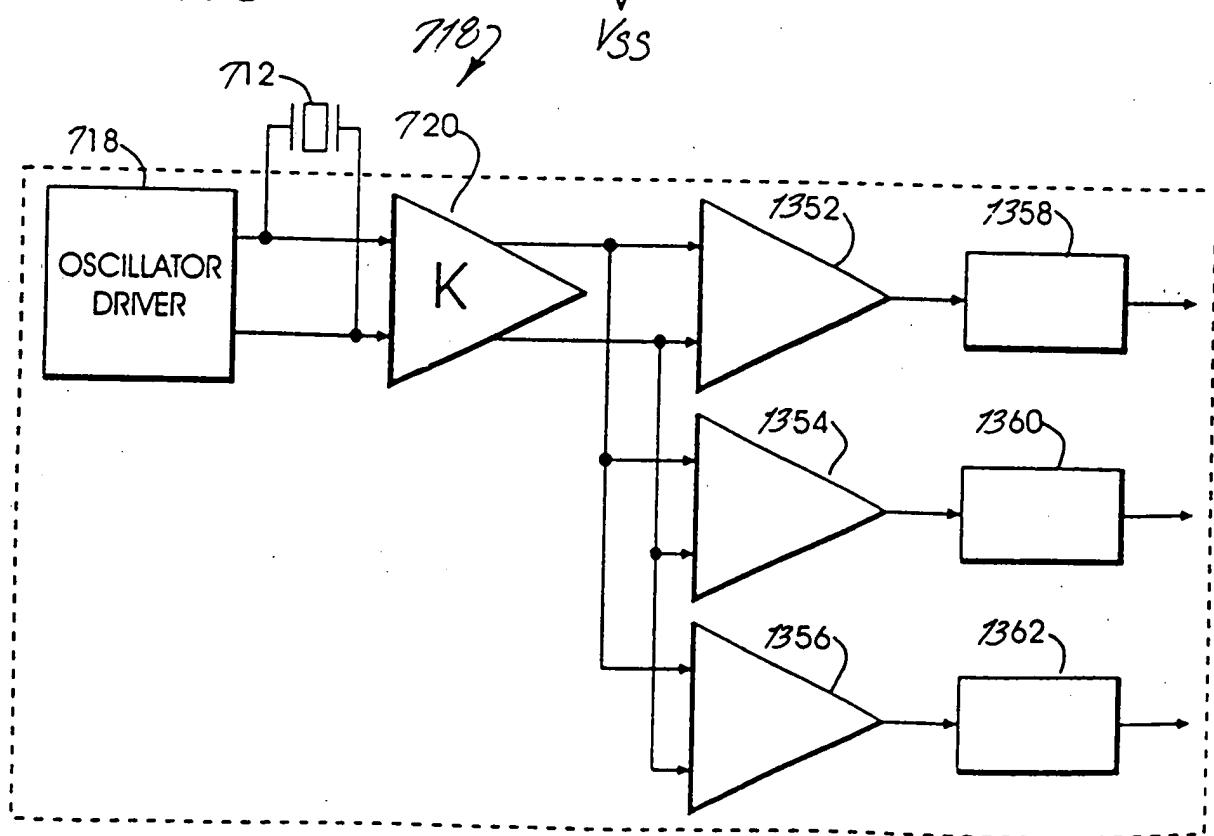
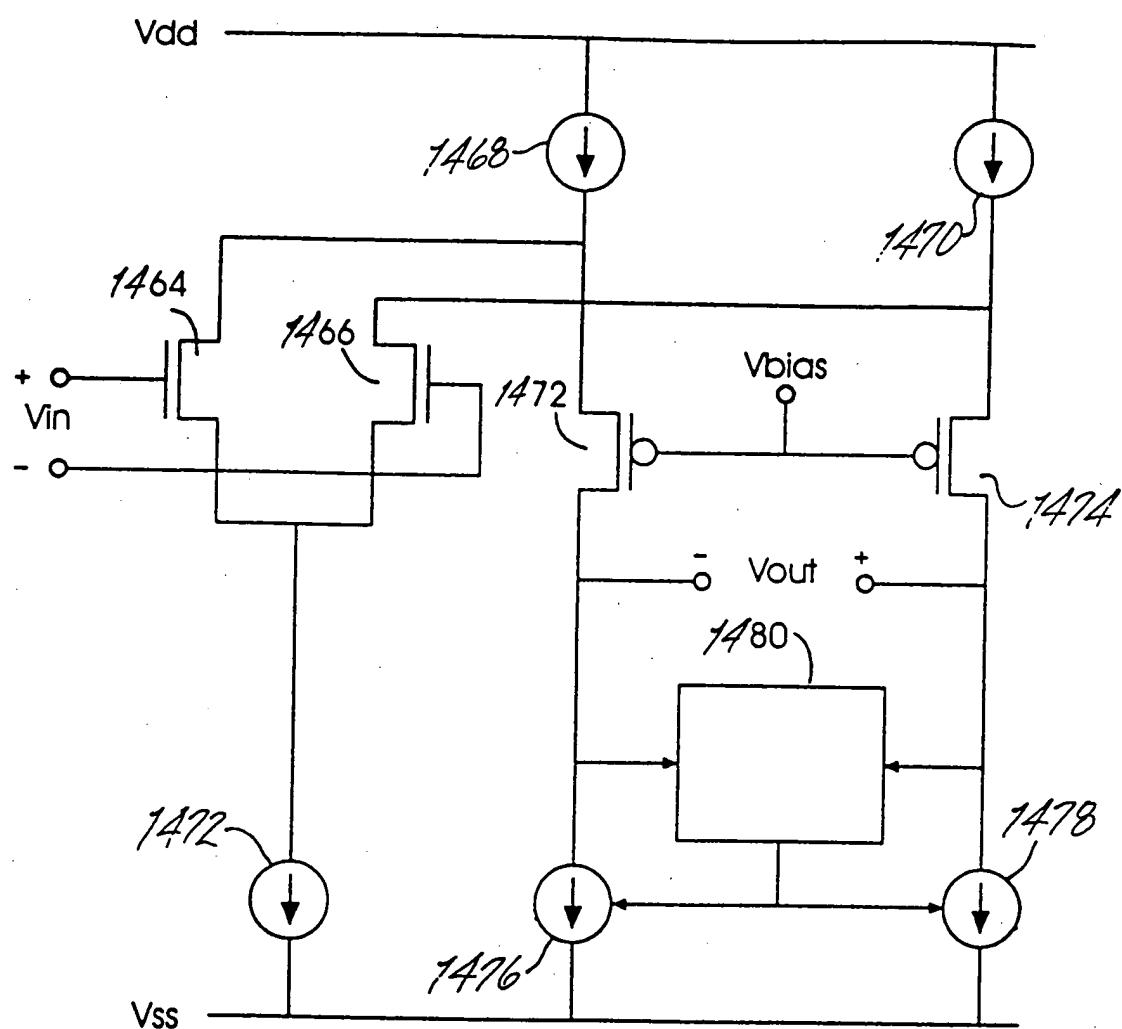


FIG. 14



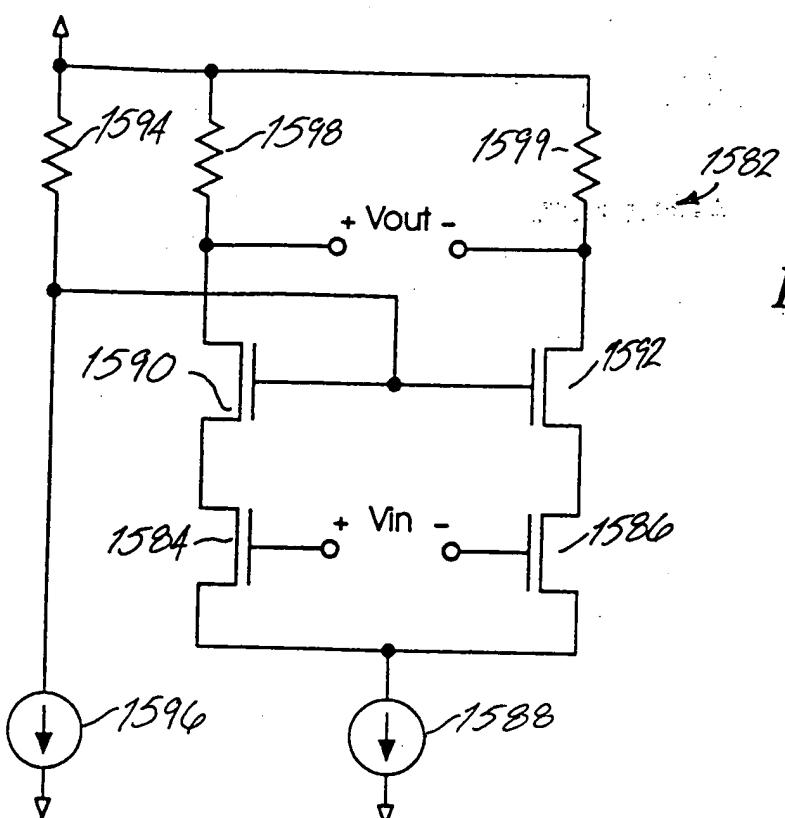


FIG. 15

FIG. 16

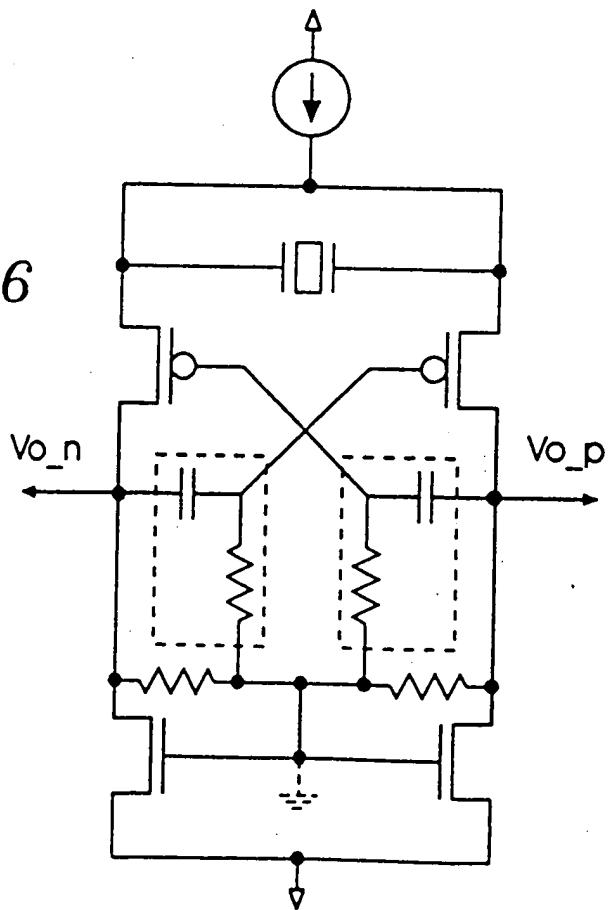


FIG. 17

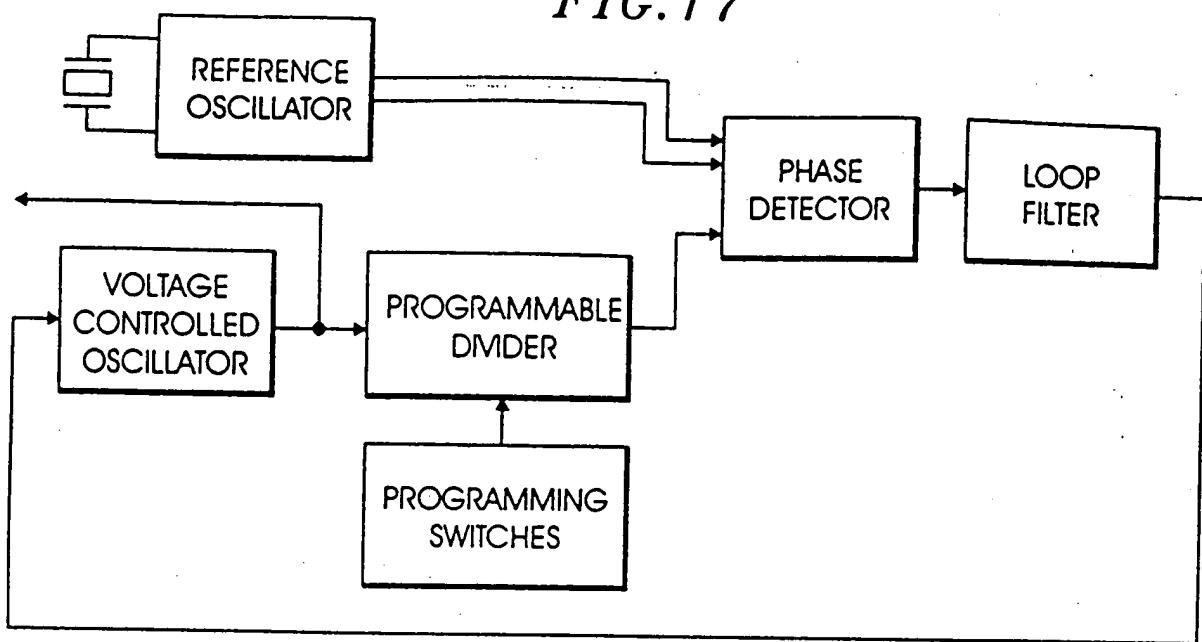


FIG. 18

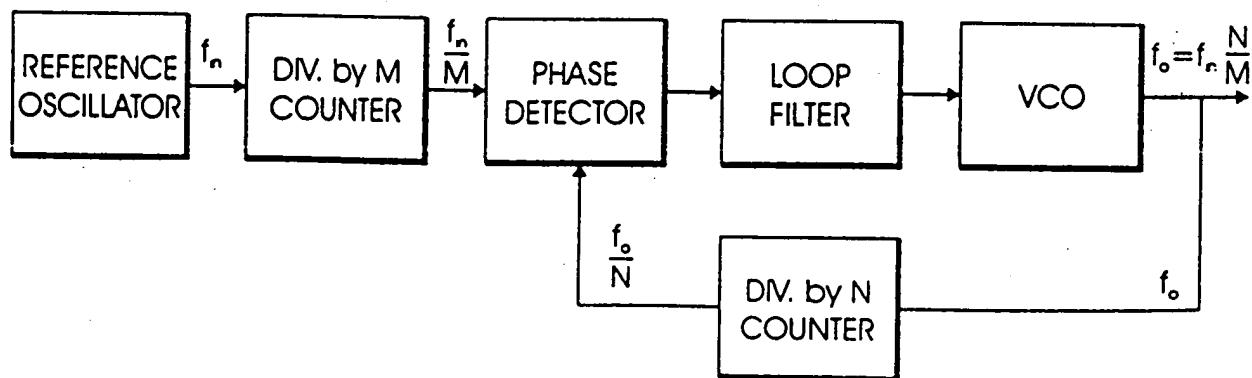


FIG. 19

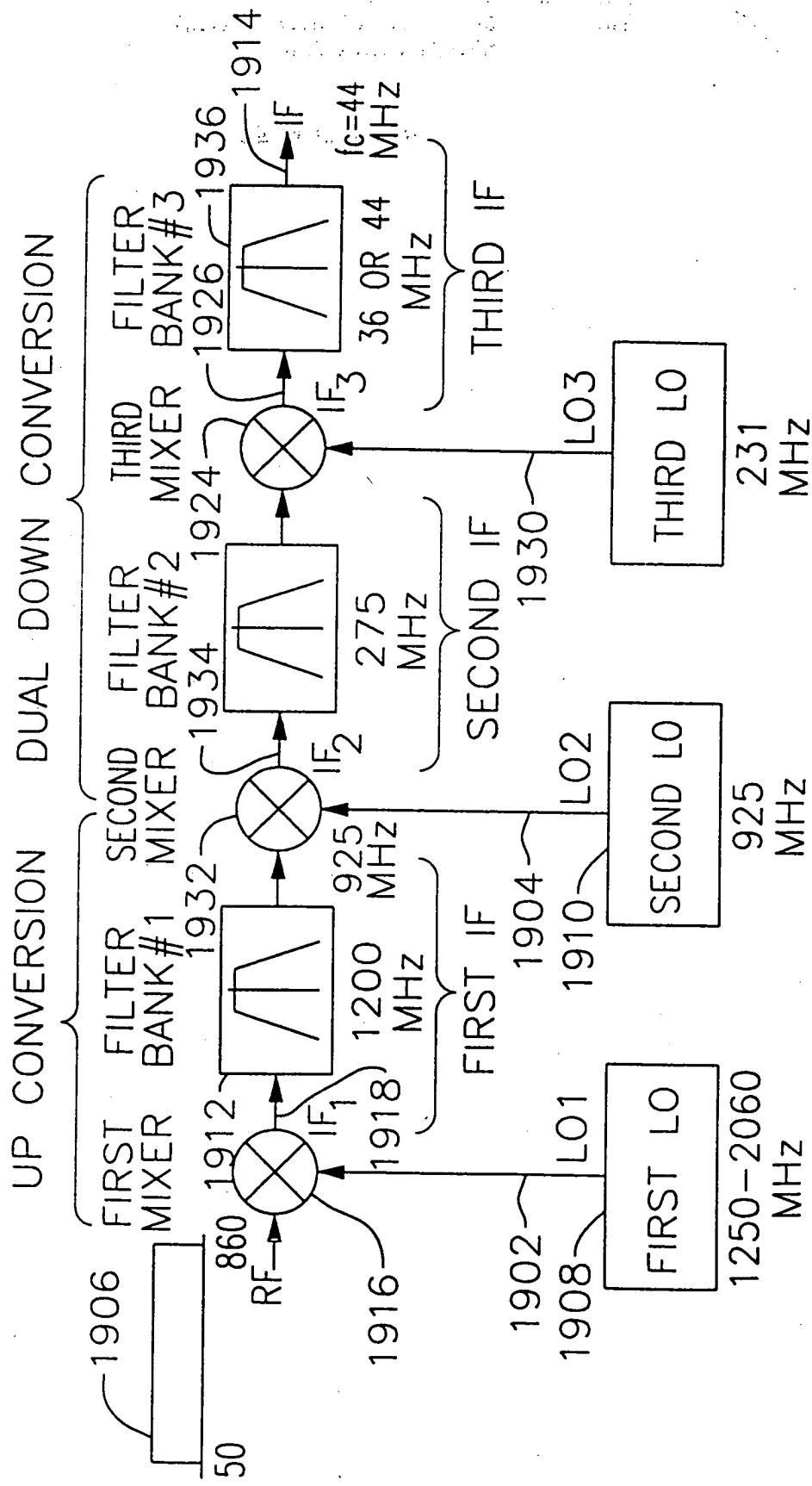


FIG. 20

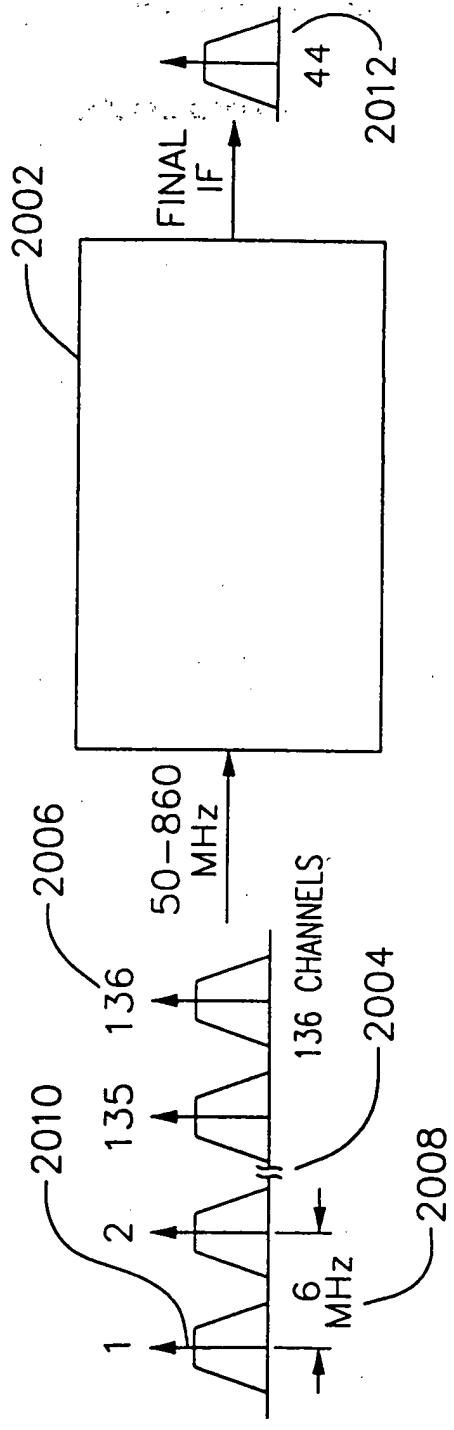


FIG.21

PPL Xtal REFERENCE=10MHz
 LO-1: 10MHz FREQUENCY STEPS
 LO-2: 100kHz FREQUENCY STEPS
 44MHz IF

TABLE OF FREQUENCIES BASED ON
 COARSE/FINE PLL SOLUTION:

Fr _f (MHz)	NOTE											
	• LO-2 REF=100kHz, SO DIVIDE RANGE=9216 TO 9280											
50	56	62	68	74	80	86	92	98	104	110	116	122
LO-1(MHz)	1260	1260	1270	1270	1280	1290	1290	1300	1300	1310	1320	1320
IF-1 (MHz)	1200	1204	1198	1202	1196	1200	1204	1198	1202	1196	1200	1204
LO-2(MHz)	924.8	928.0	923.2	926.4	921.6	924.8	928.0	923.2	926.4	921.6	924.8	928.0
IF-2(MHz)	275.2	276.0	274.8	275.6	274.4	275.2	276.0	274.8	275.6	274.4	275.2	276.0
LO-3(MHz)	231.2	232	230.8	232	230	231	232	231	232	230	231	232
IF-3(MHz)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0

2102

FIG. 22

PPL Xtal REFERENCE = 10MHz
 LO-1, 10MHz FREQUENCY STEPS
 LO-2, 100kHz FREQUENCY STEPS

TABLE OF FREQUENCIES BASED ON
COARSE/FINE PLL SOLUTION:

NOTE • LO-2 REF=100KHZ,
SO DIVIDE RANGE=9280 TO 9340

Frf (MHz)	50	58	66	74	82	90	98	106	114	122	130	138	146	154	"	852	860
LO-1(MHz)	1250	1260	1270	1270	1280	1290	1300	1310	1310	1320	1330	1340	1350	1350	"	2050	2060
IF-1 (MHz)	1200	1202	1204	1196	1198	1200	1202	1204	1196	1198	1200	1202	1204	1196	"	1198	1200
LO-2(MHz)	931.2	932.8	934.4	928.0	930	931	933	934	928.0	930	931	933	934	928.0	"	929.60	931.2
IF-2(MHz)	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	"	268.4	268.8
LO-3(MHz)	232.8	233.2	233.6	232	232	233	233	234	232	232	233	233	234	232.0	"	232.4	232.8
IF-3(MHz)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	"	36.0	36.0

FIG.23

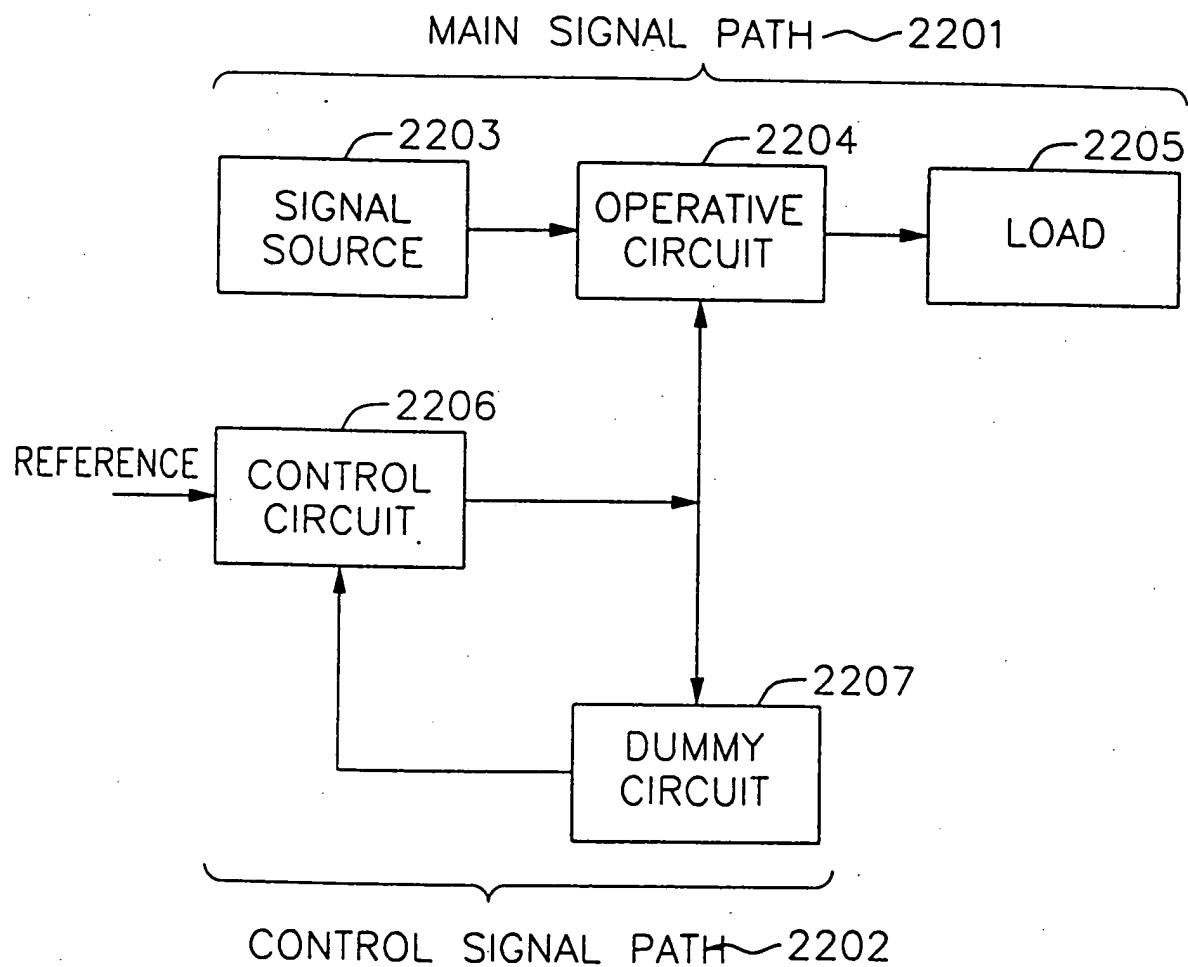


FIG. 24a

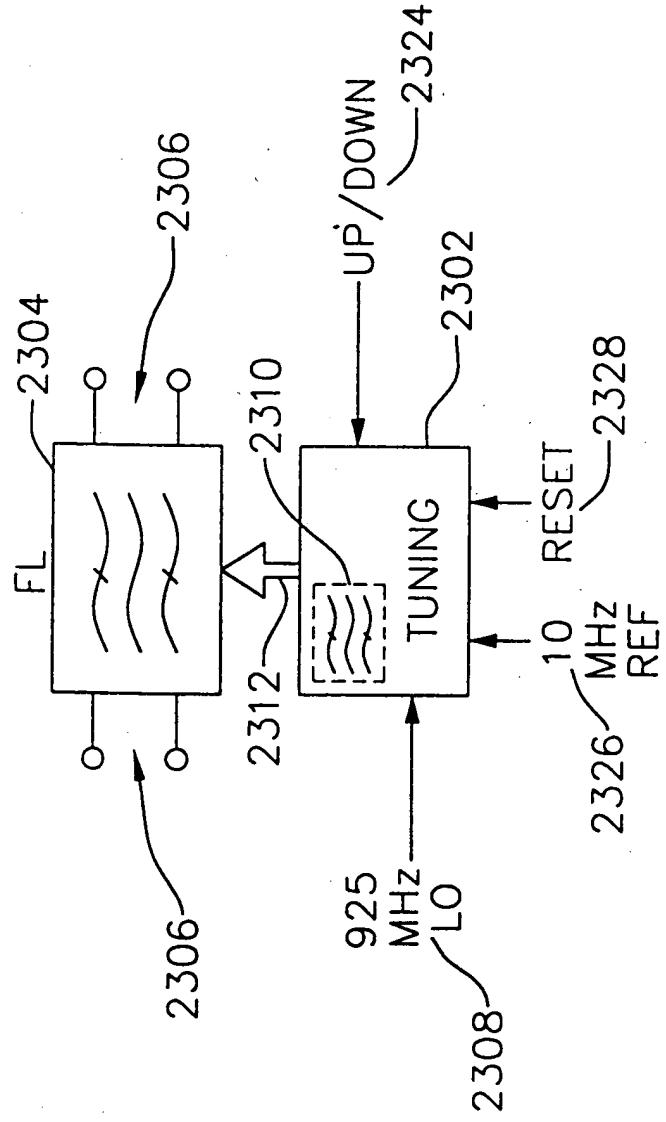


FIG. 24b

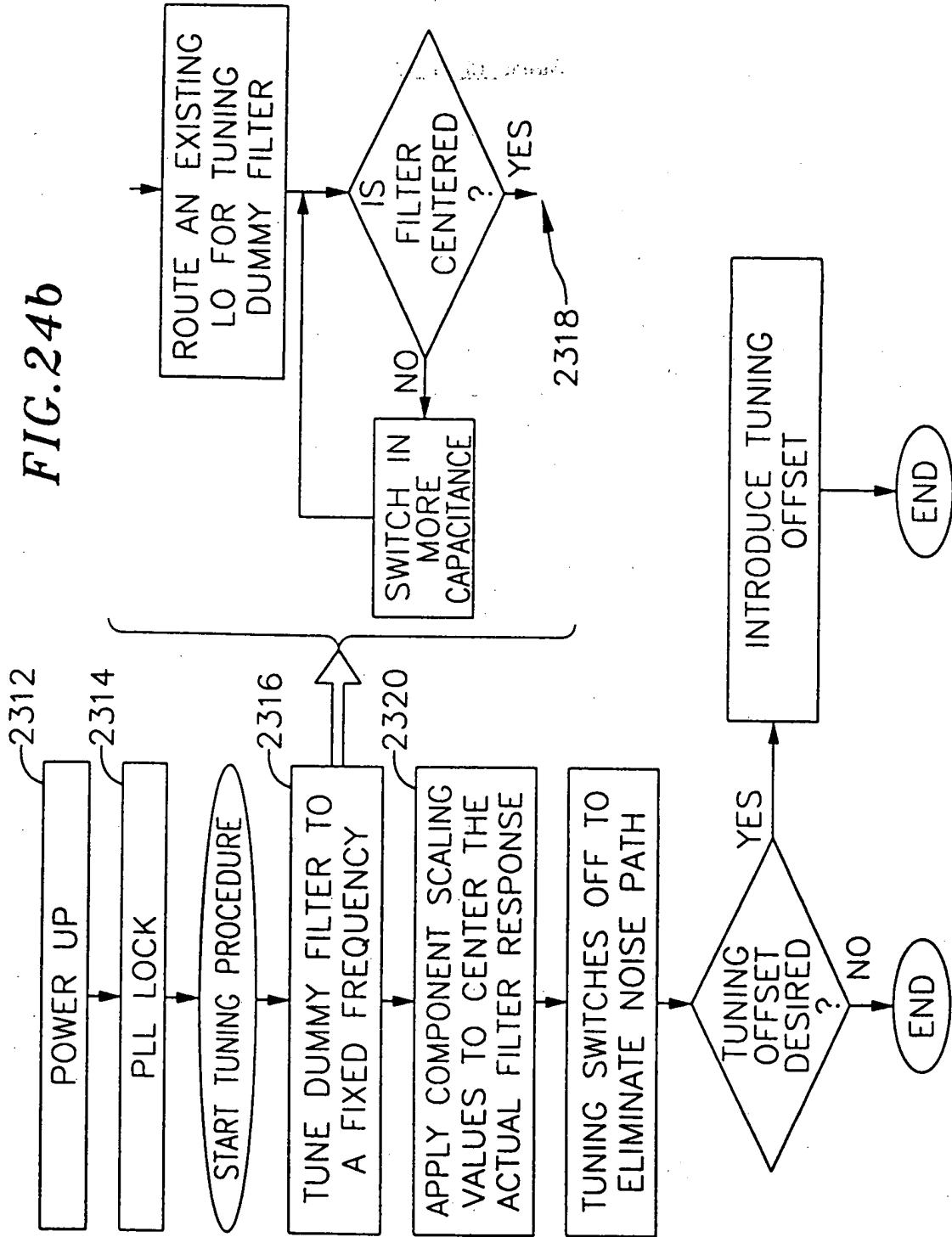


FIG. 24c

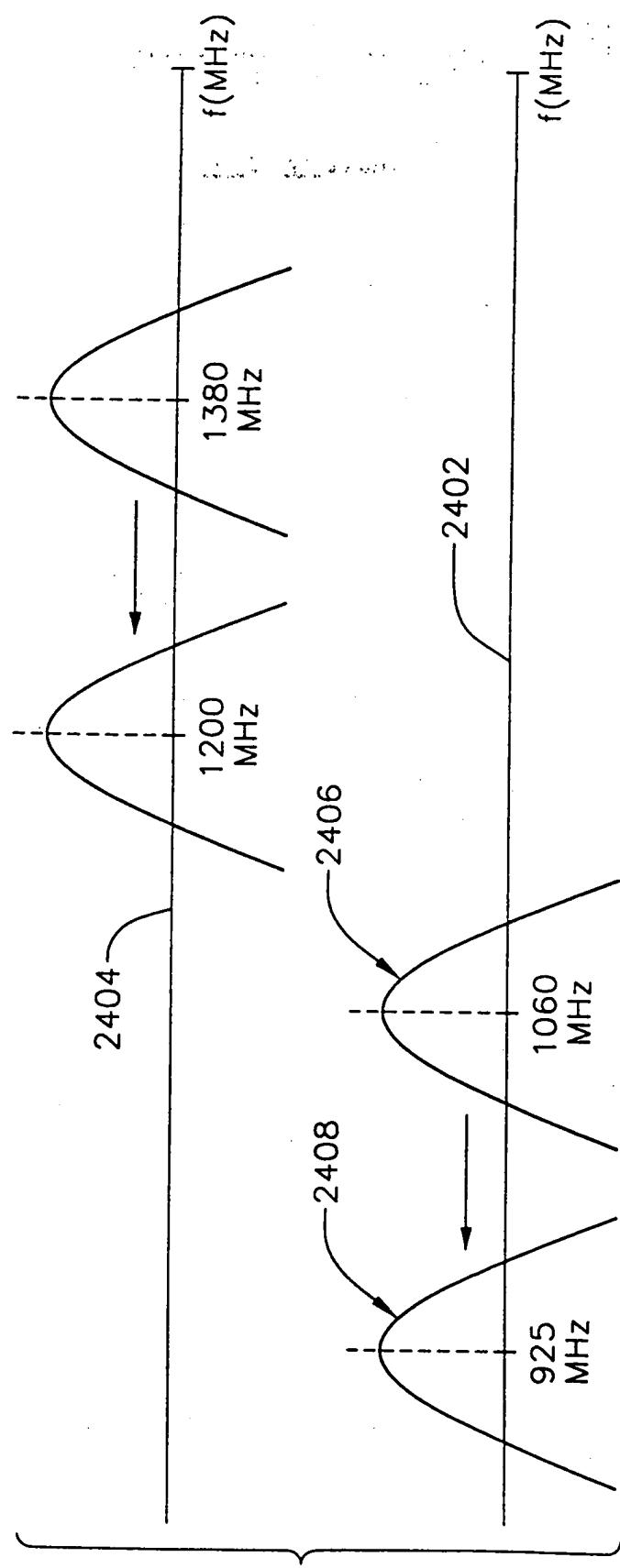


FIG. 25

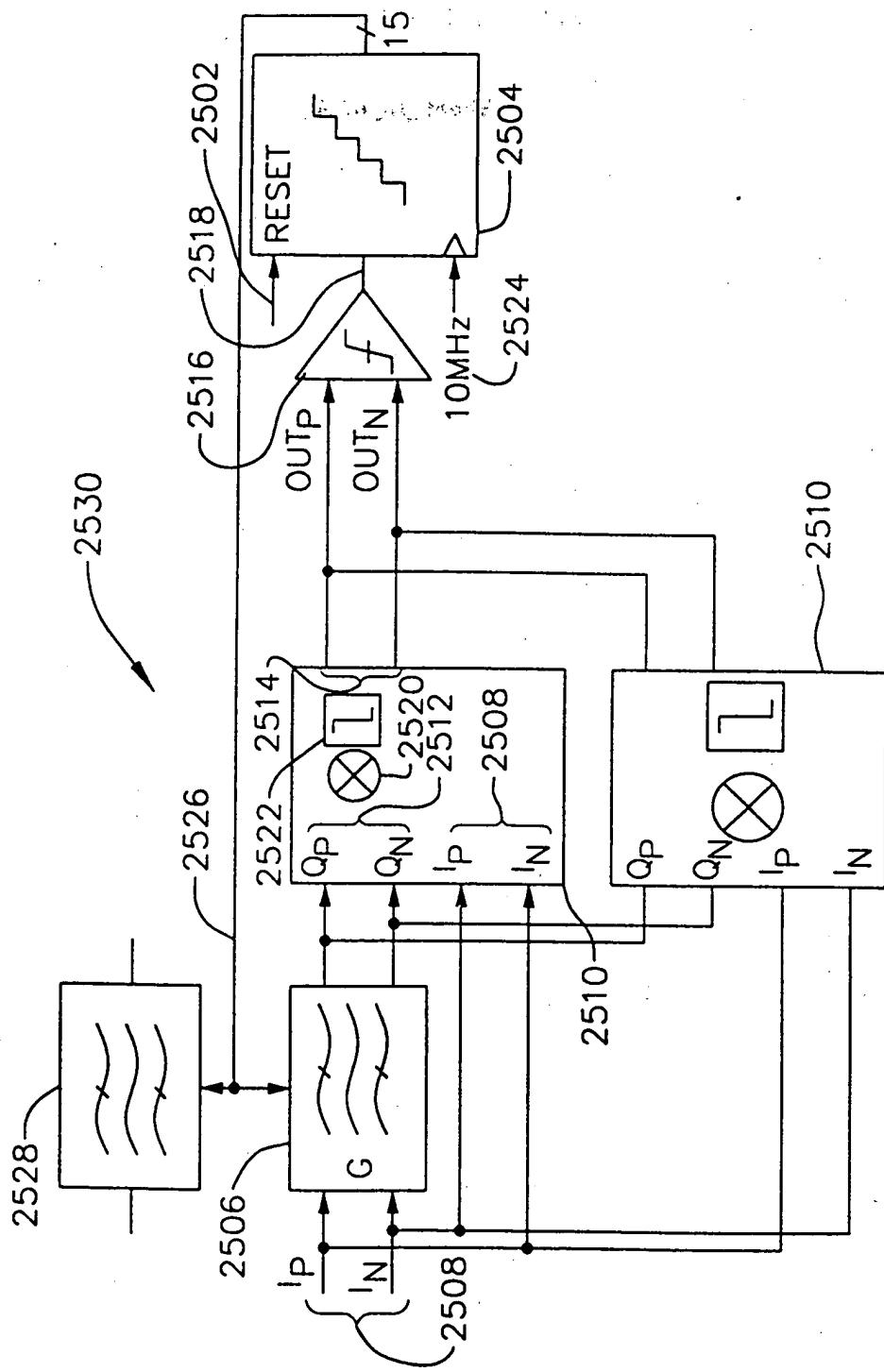


FIG. 26

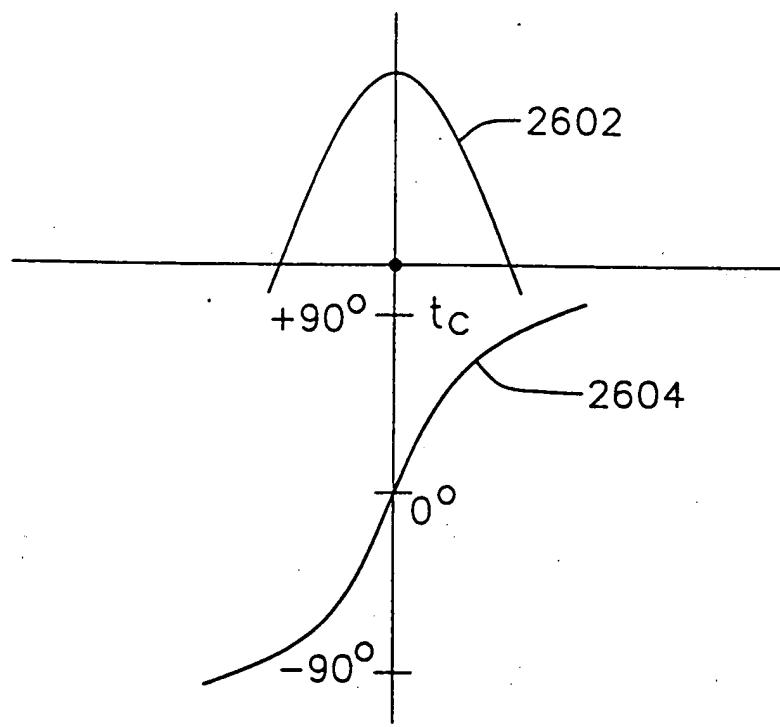


FIG. 27

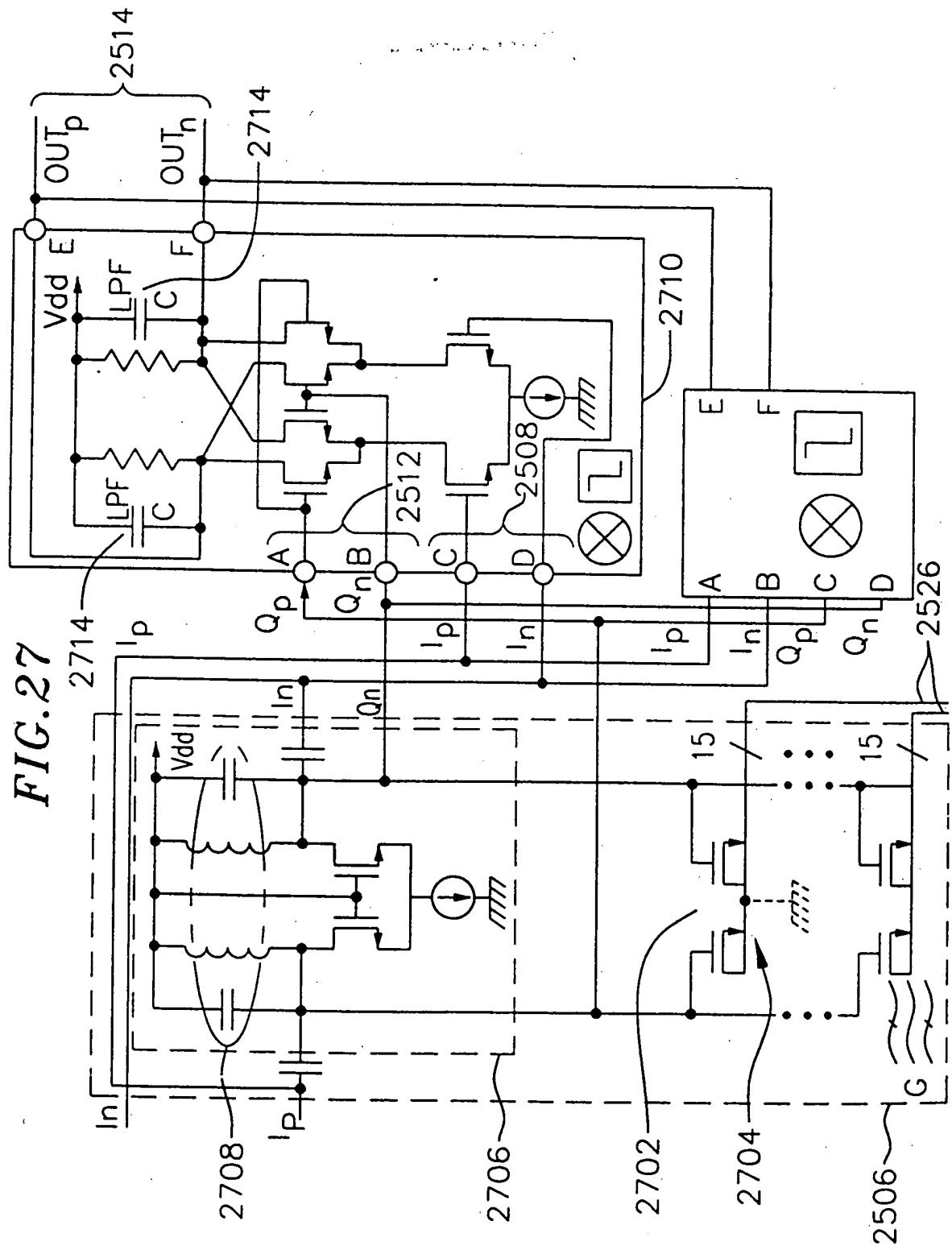
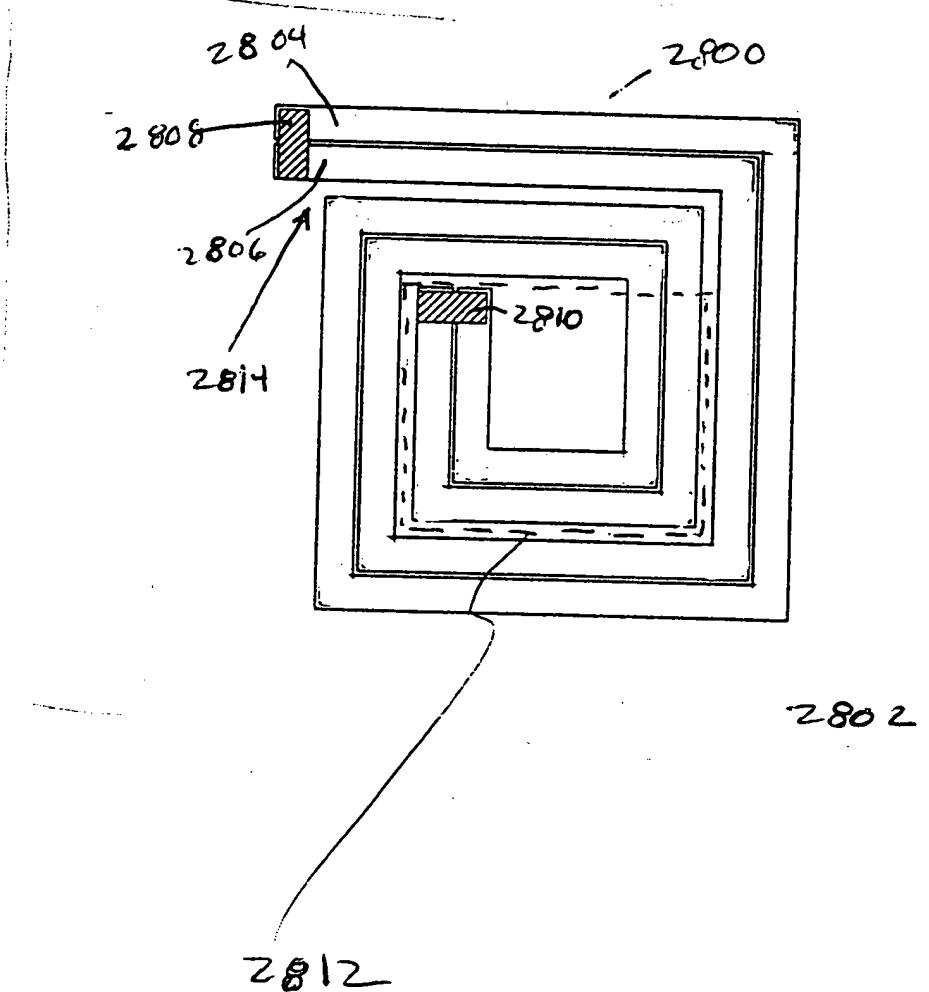
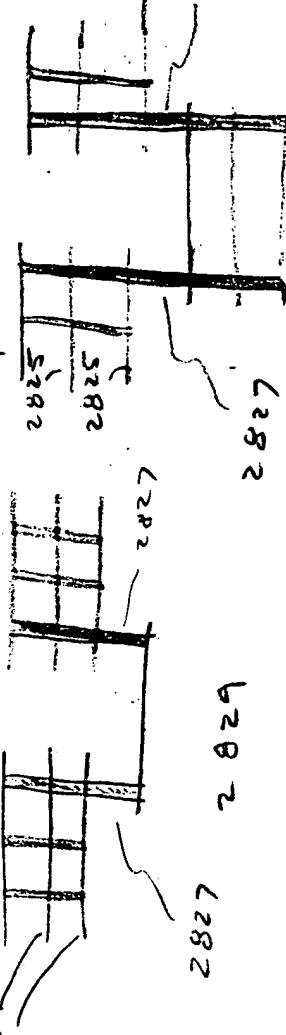


FIG.28a

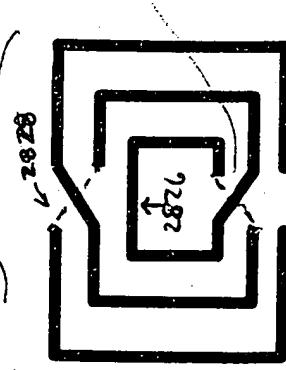


2810 2811 2812 2813

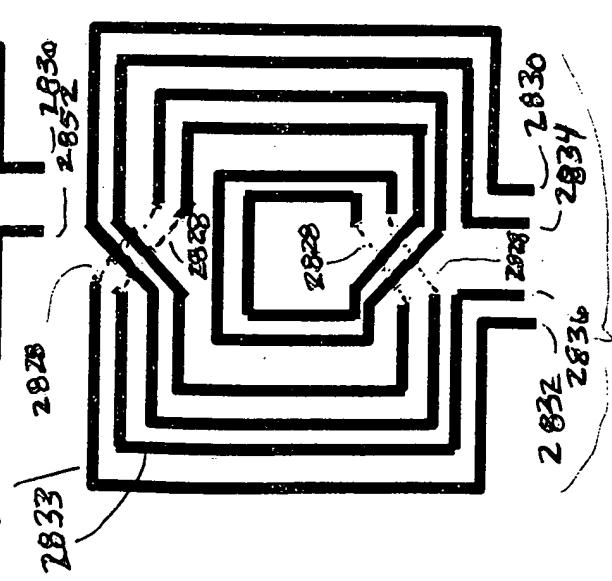
2825



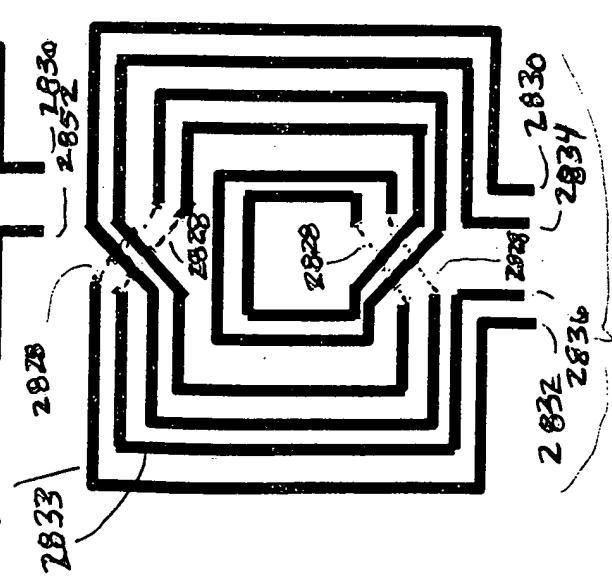
2816



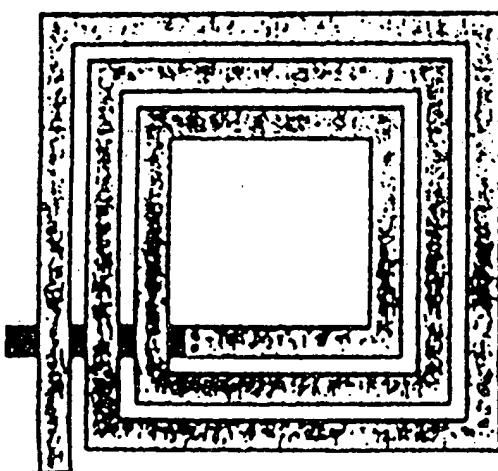
2816



2828



2829



2820

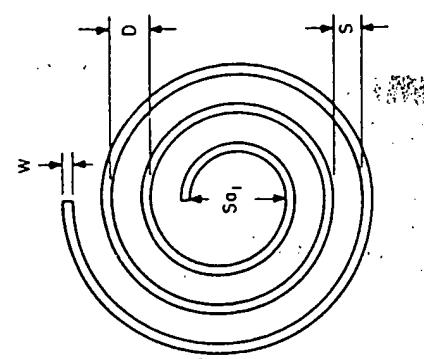
2822

2818

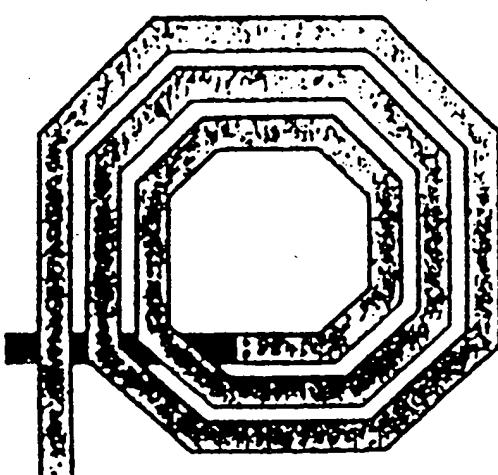
2821 2826

2830
2834
2836

2824



2831



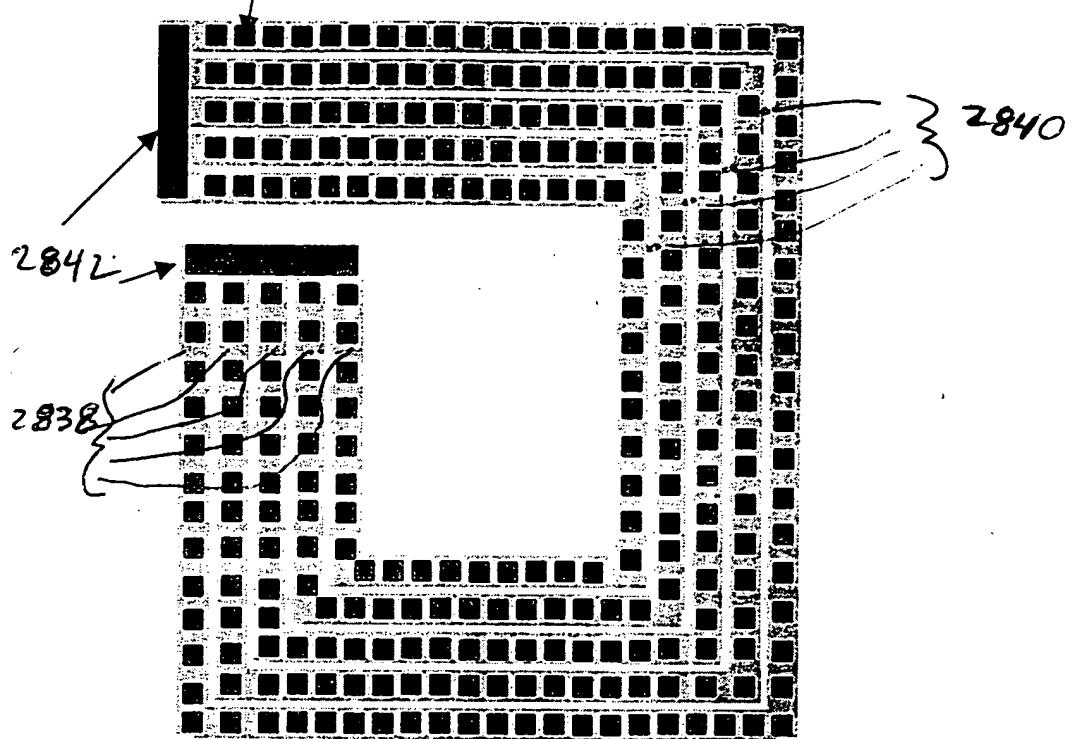


FIG 28C

Fig 28d

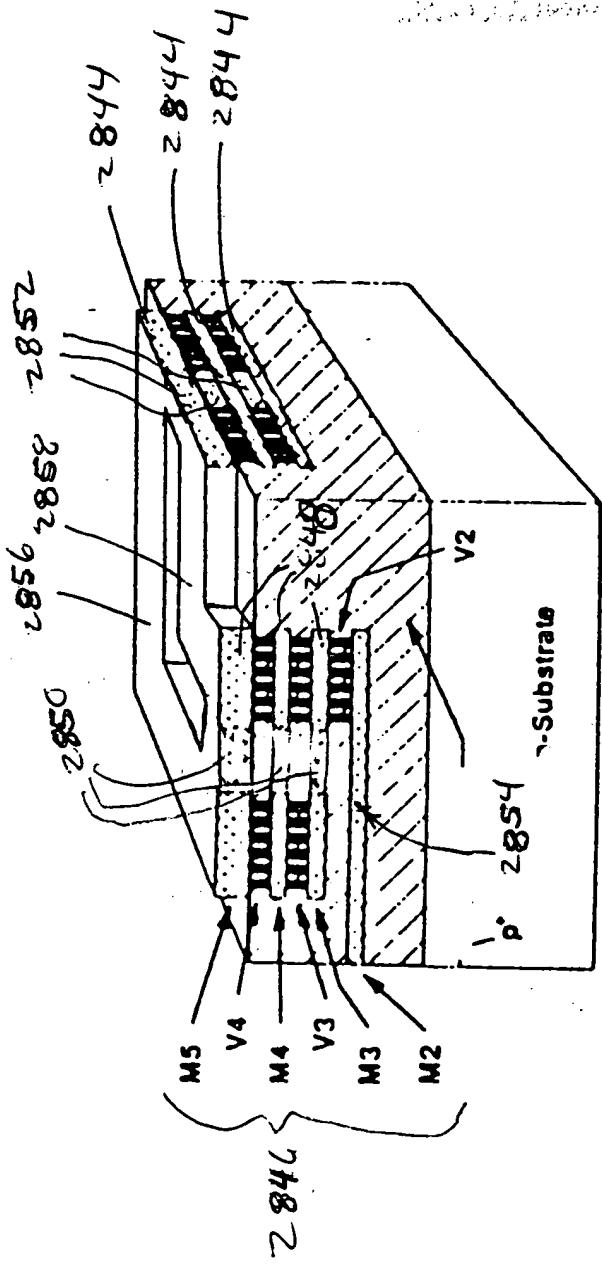


Fig 28e

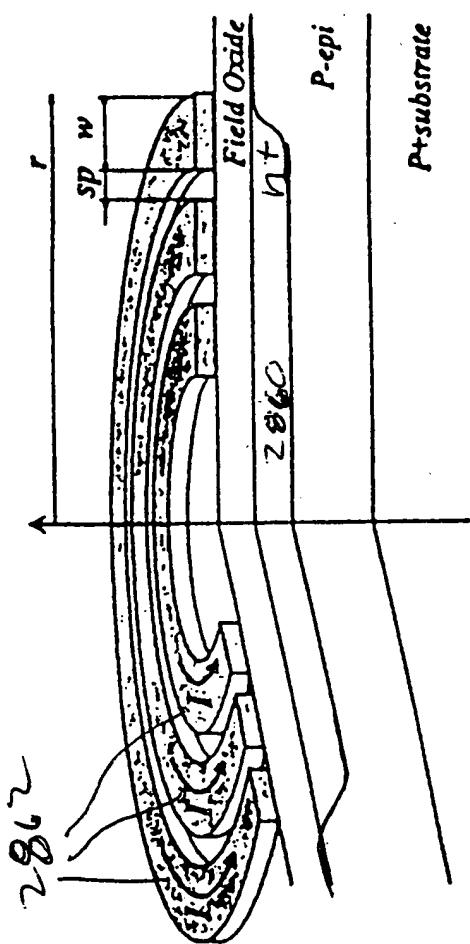


FIG 284

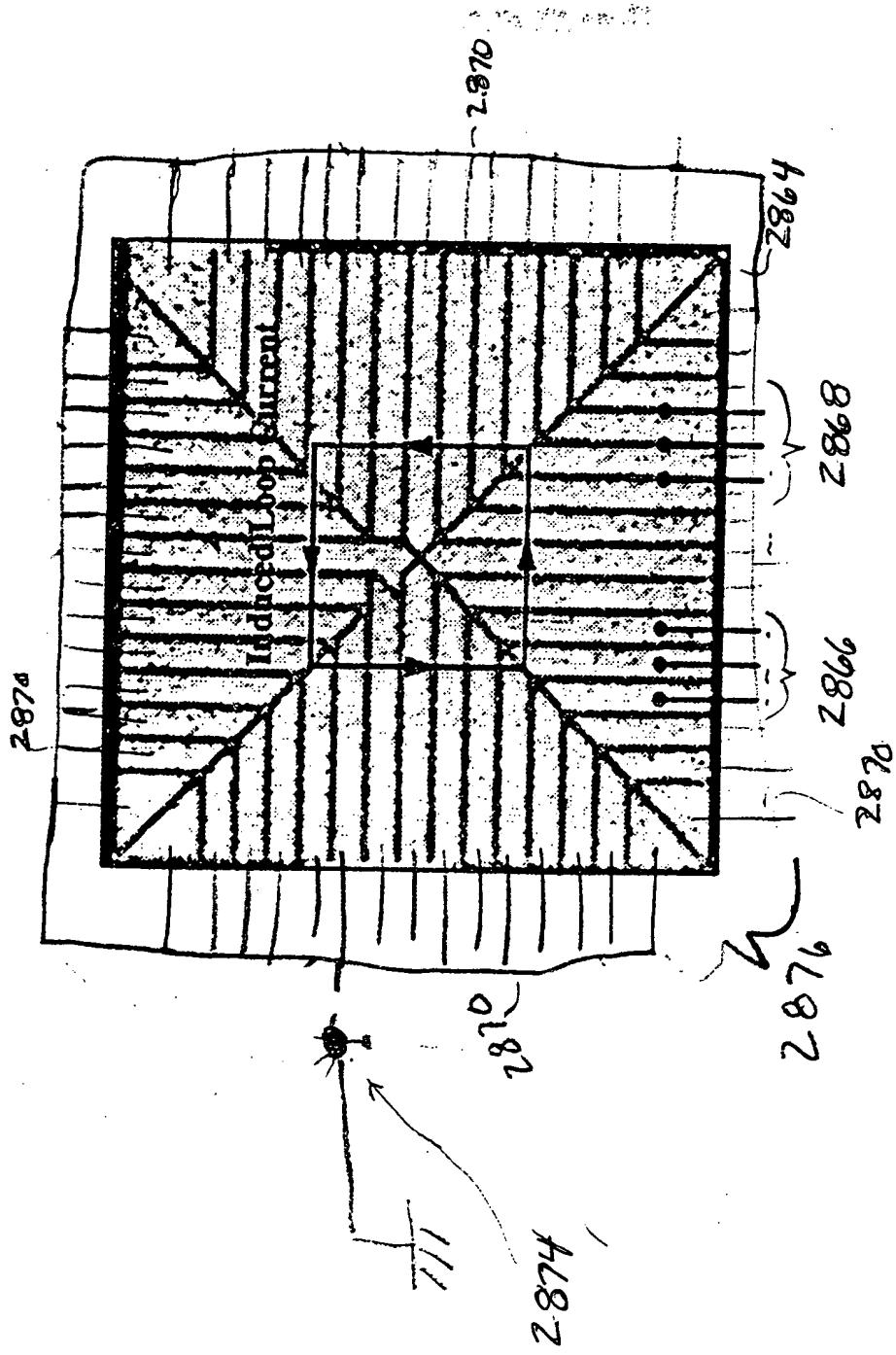


FIG. 29

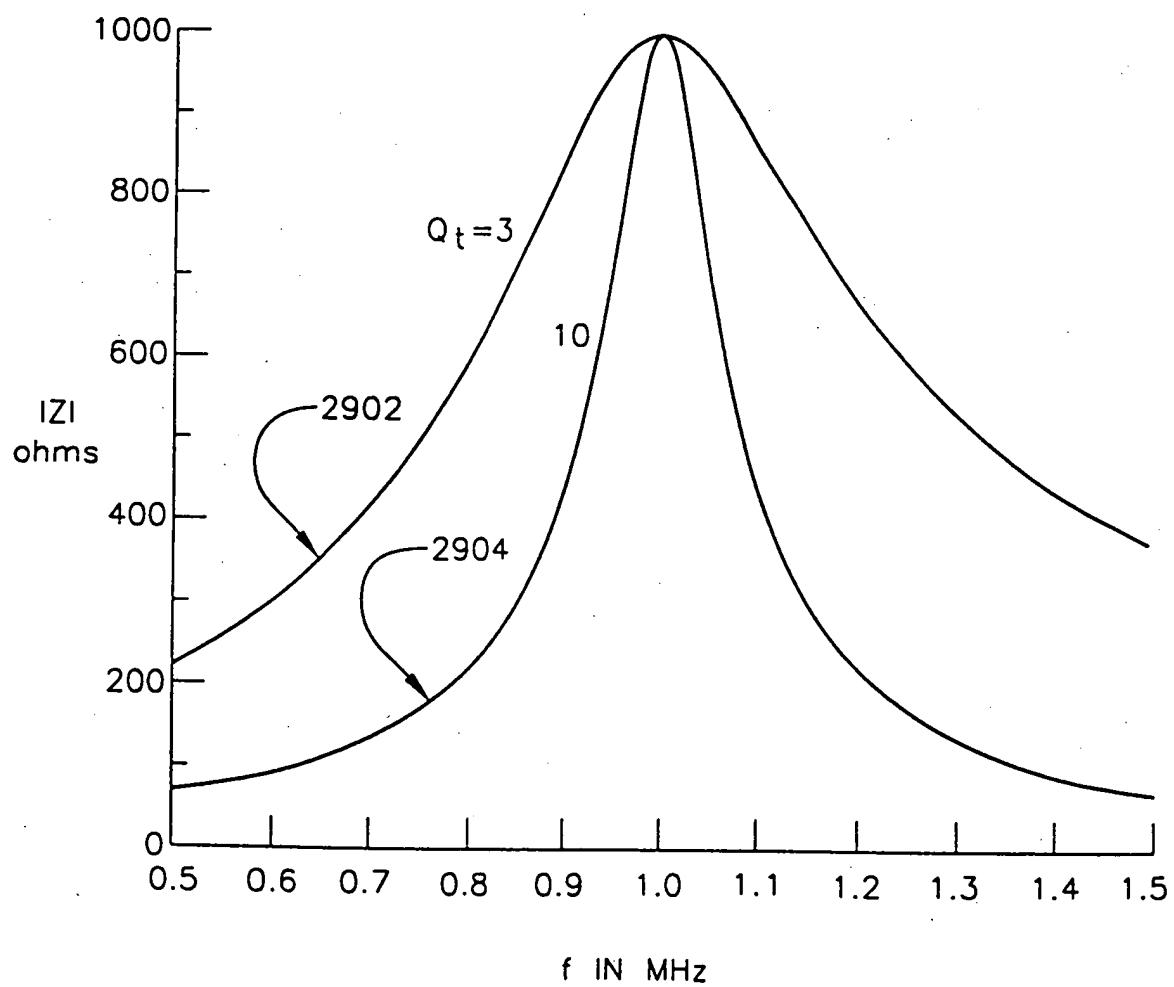


FIG.30

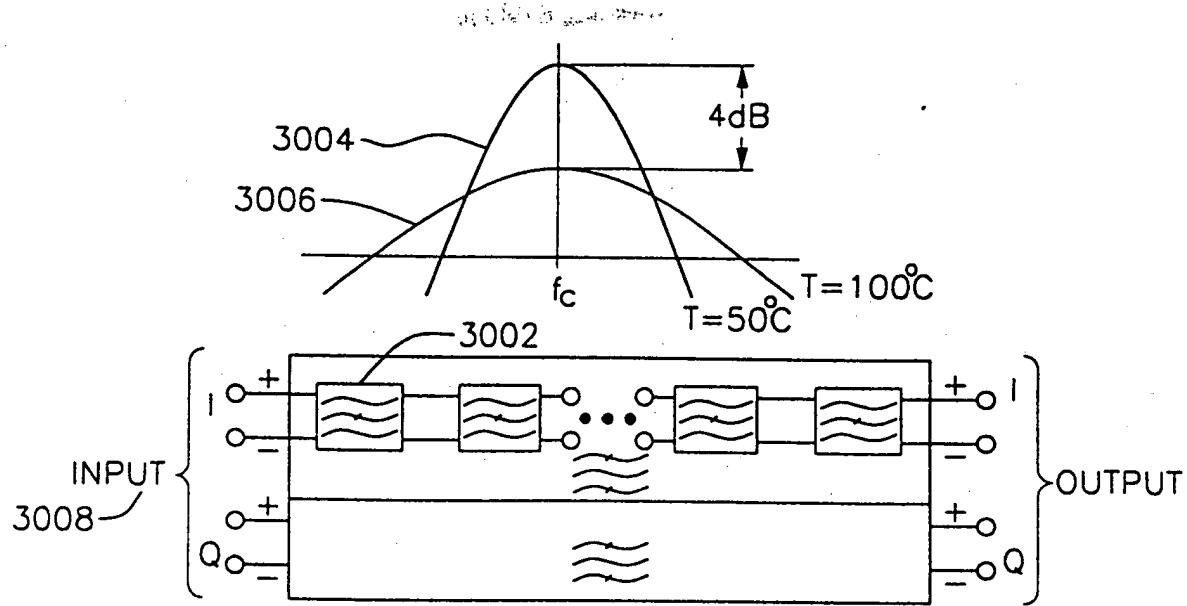
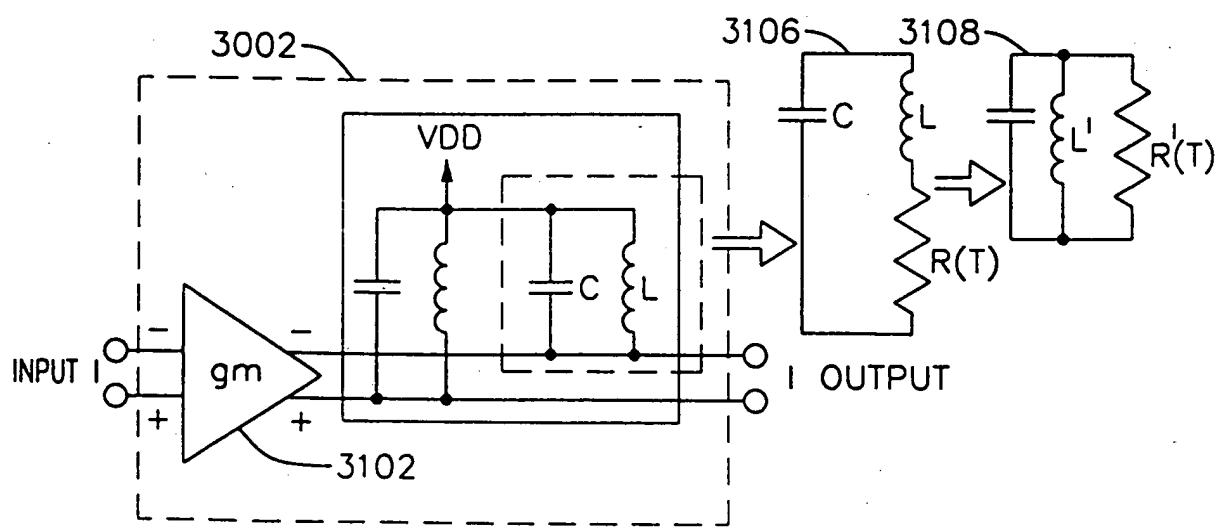


FIG.31



பிள்ளை வெட்டு கே வெத்து வெட்டு கே வெத்து வெட்டு

FIG. 32

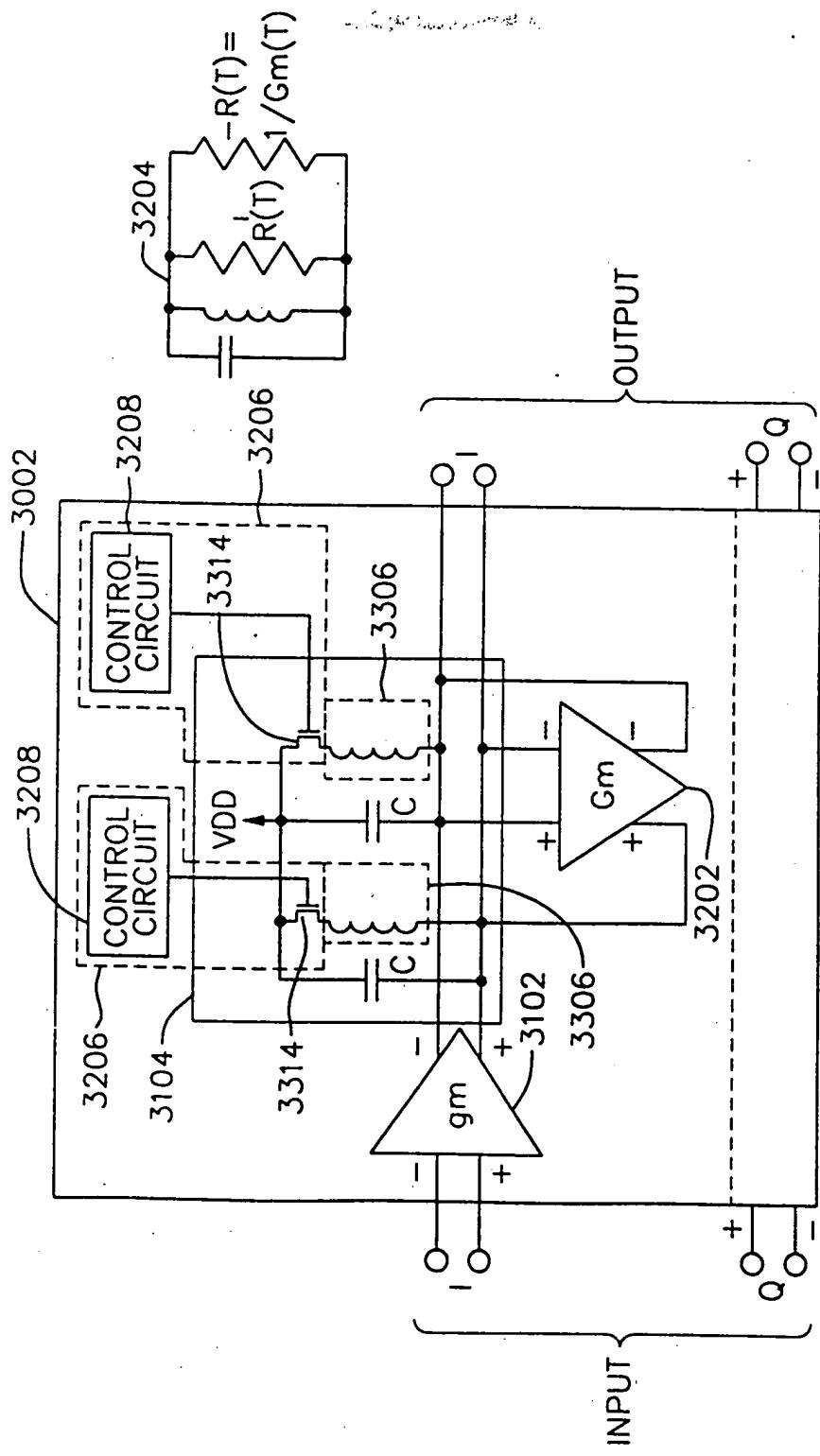


FIG.33

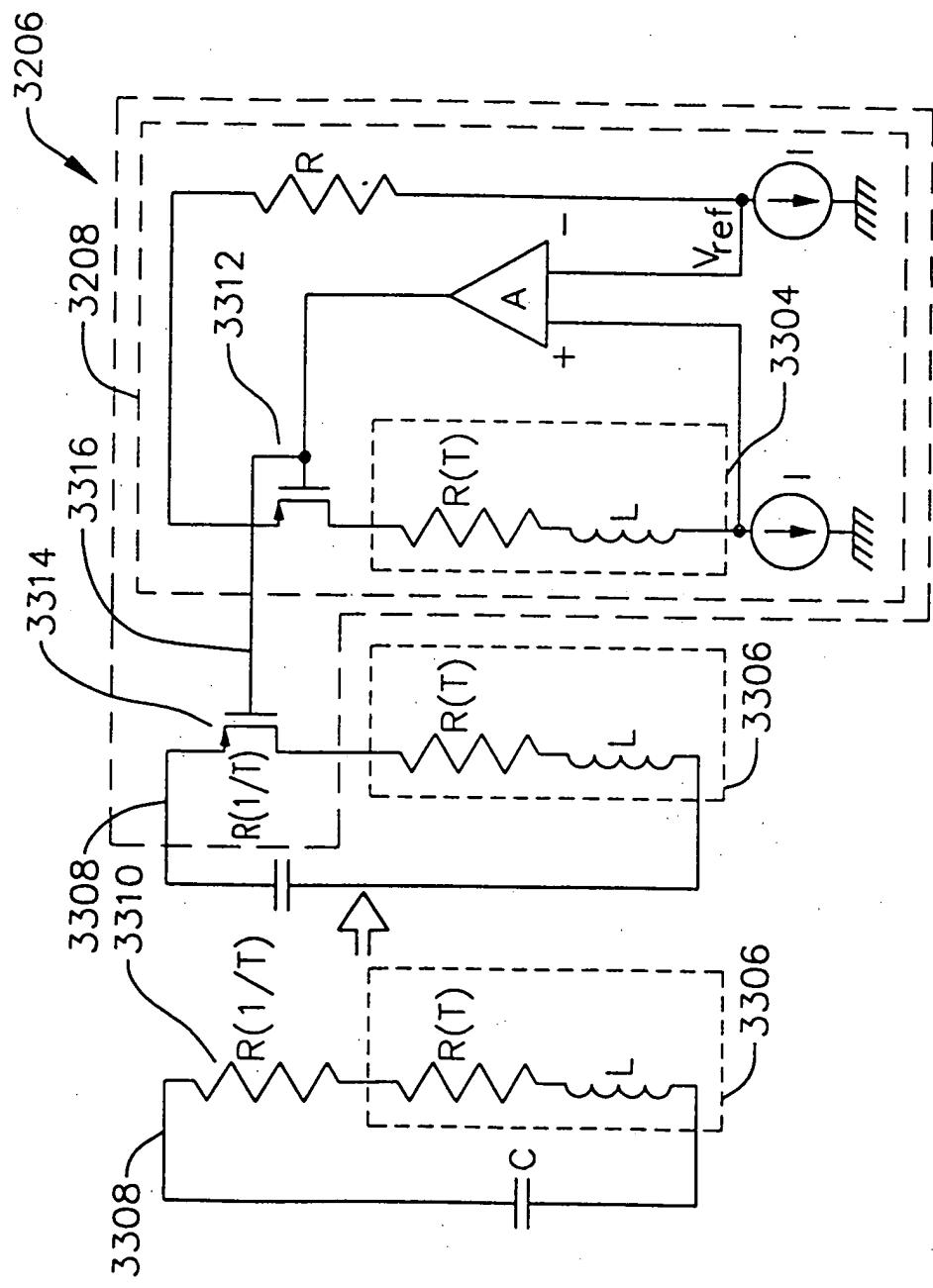


FIG.34

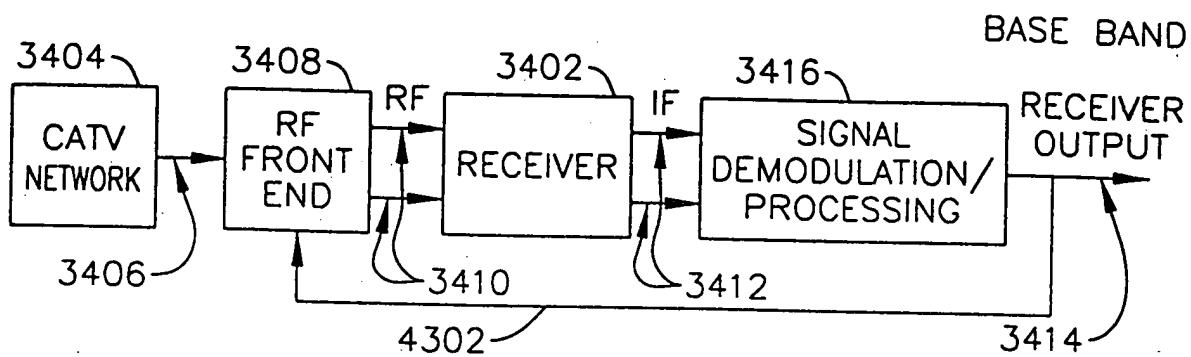


FIG.35

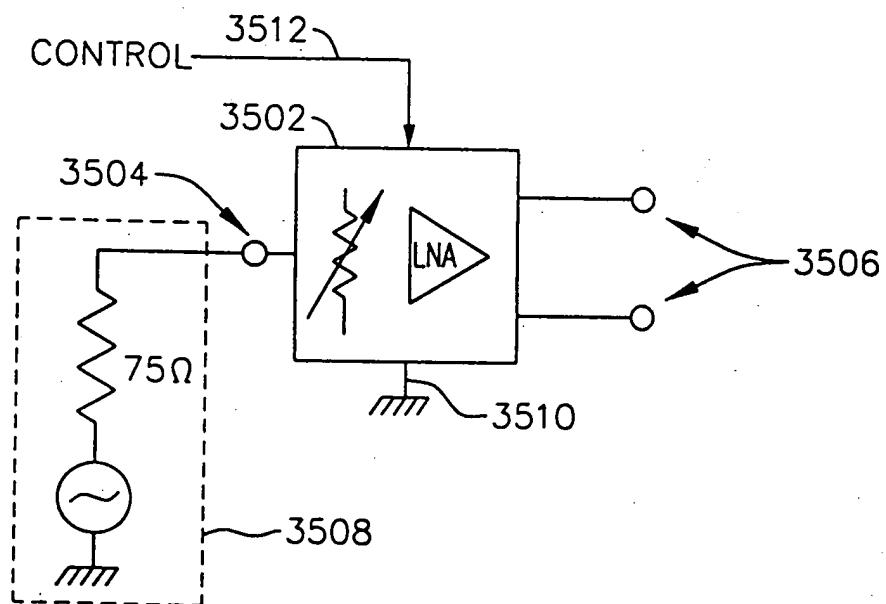


FIG. 36

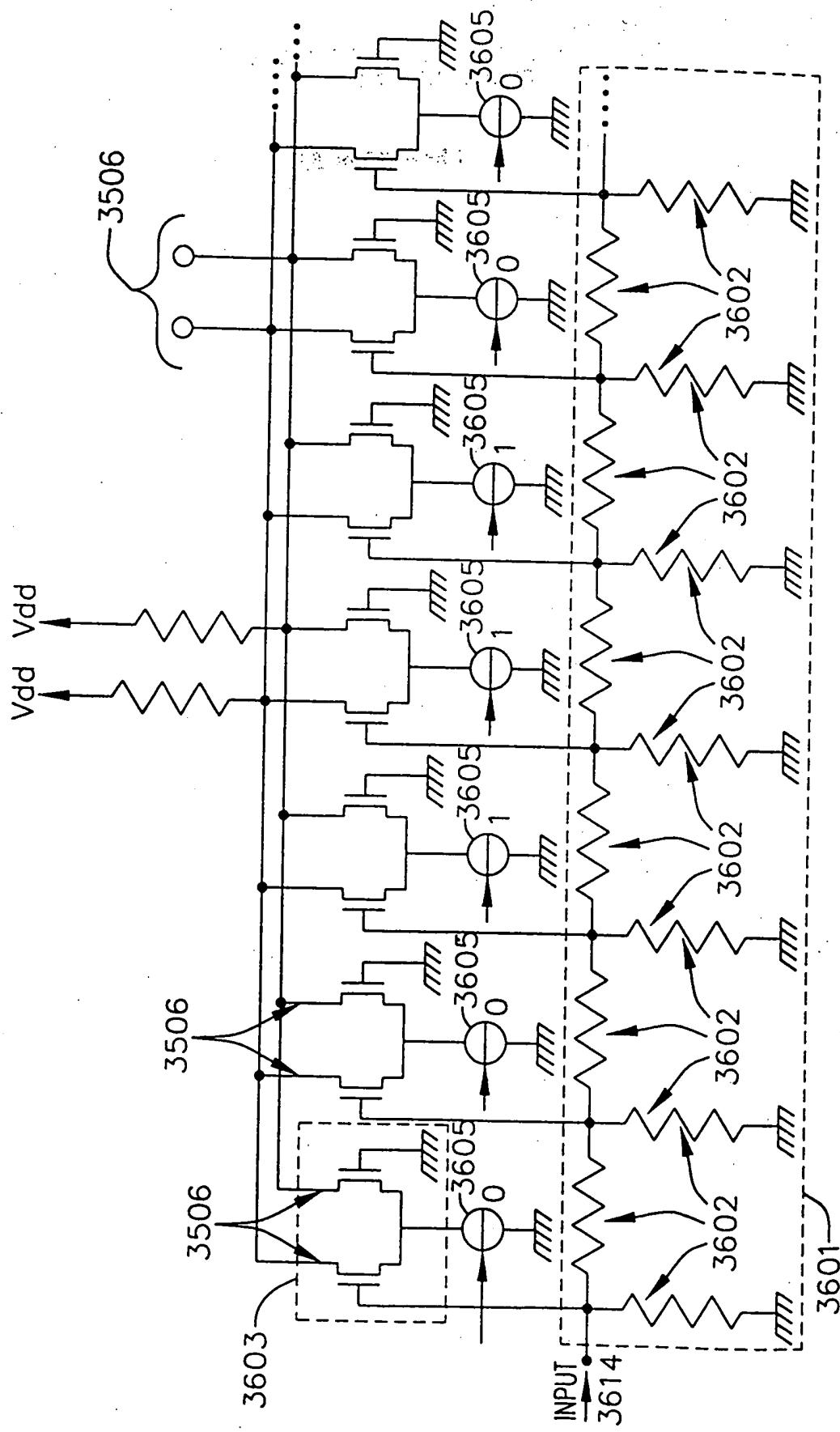


FIG. 37

FOUR POINTS OF CONTACT, OUTPUT VARIABLE,
DEPENDENT UPON POSITION OF THE SWITCH

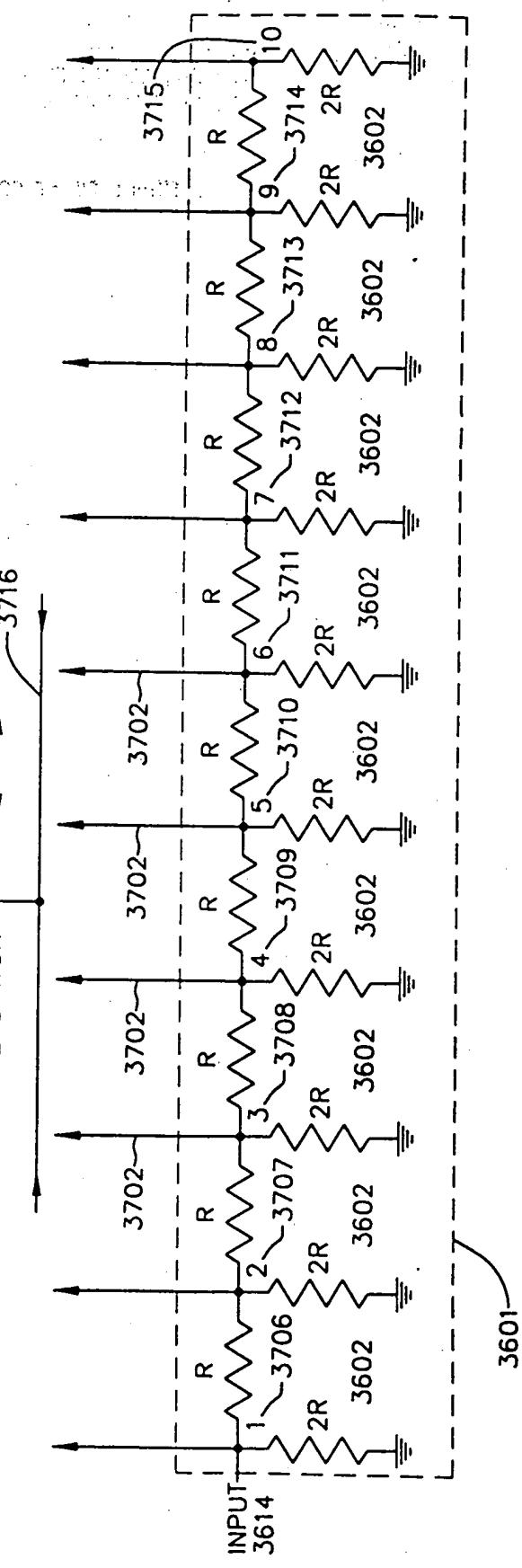


FIG. 38

PGA SETTINGS

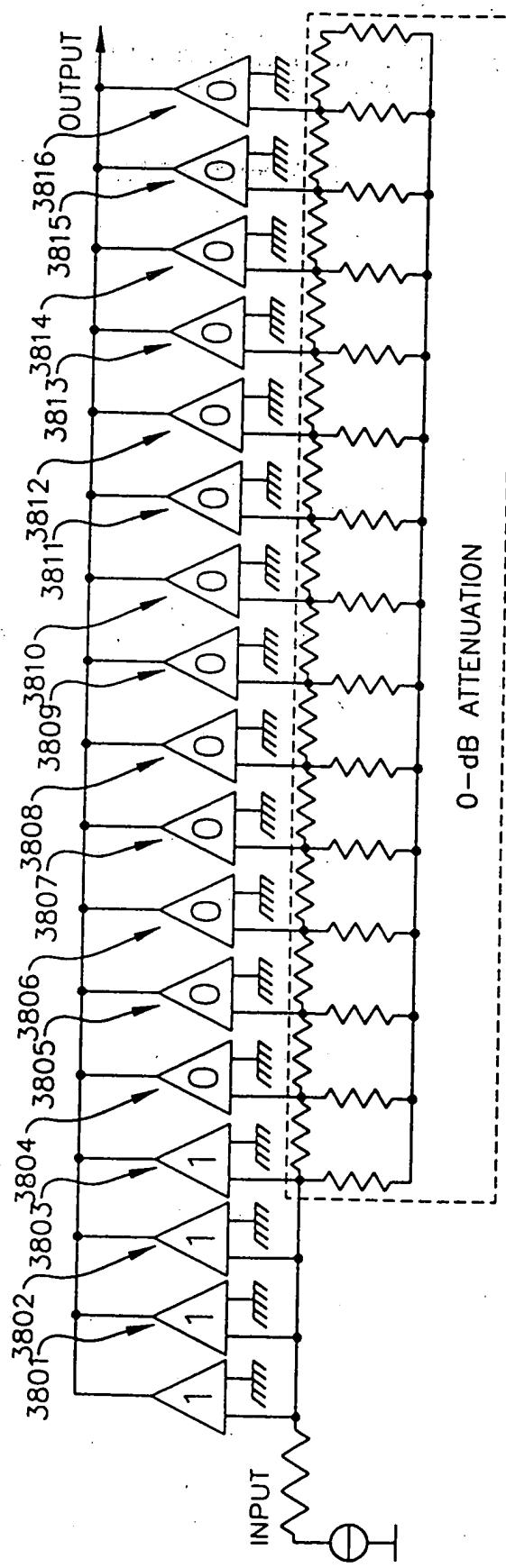


FIG. 39

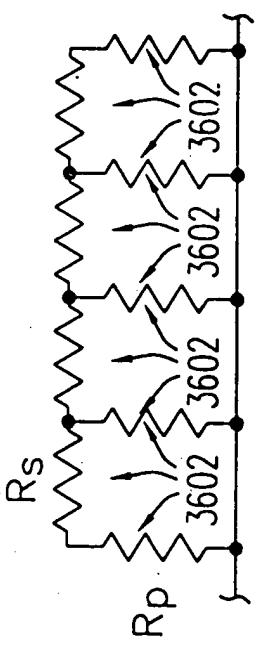


FIG. 40 PGA ARCHITECTURE

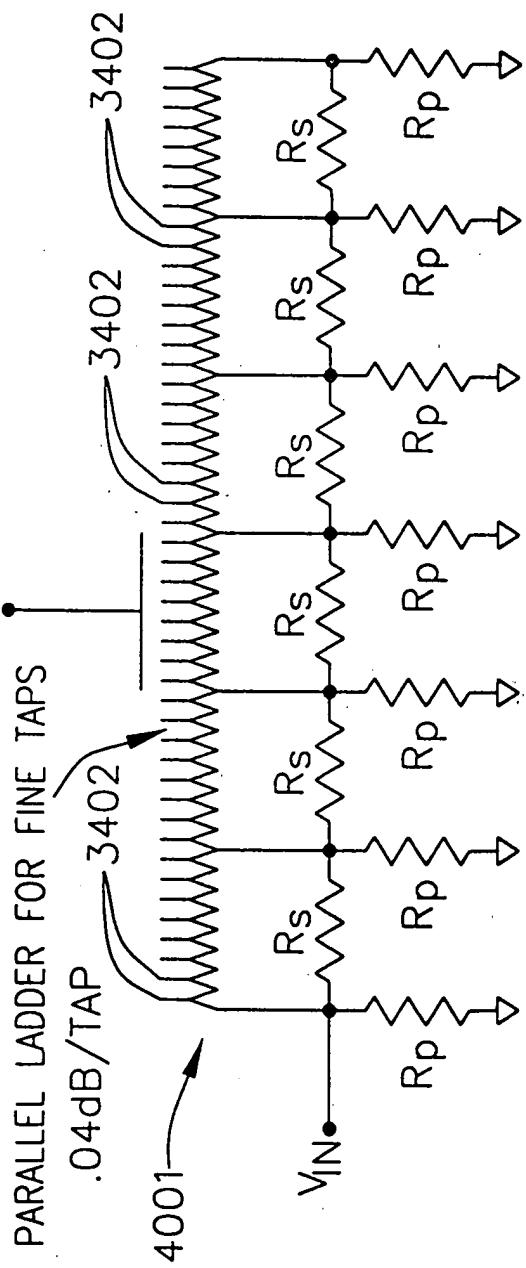


FIG. 41

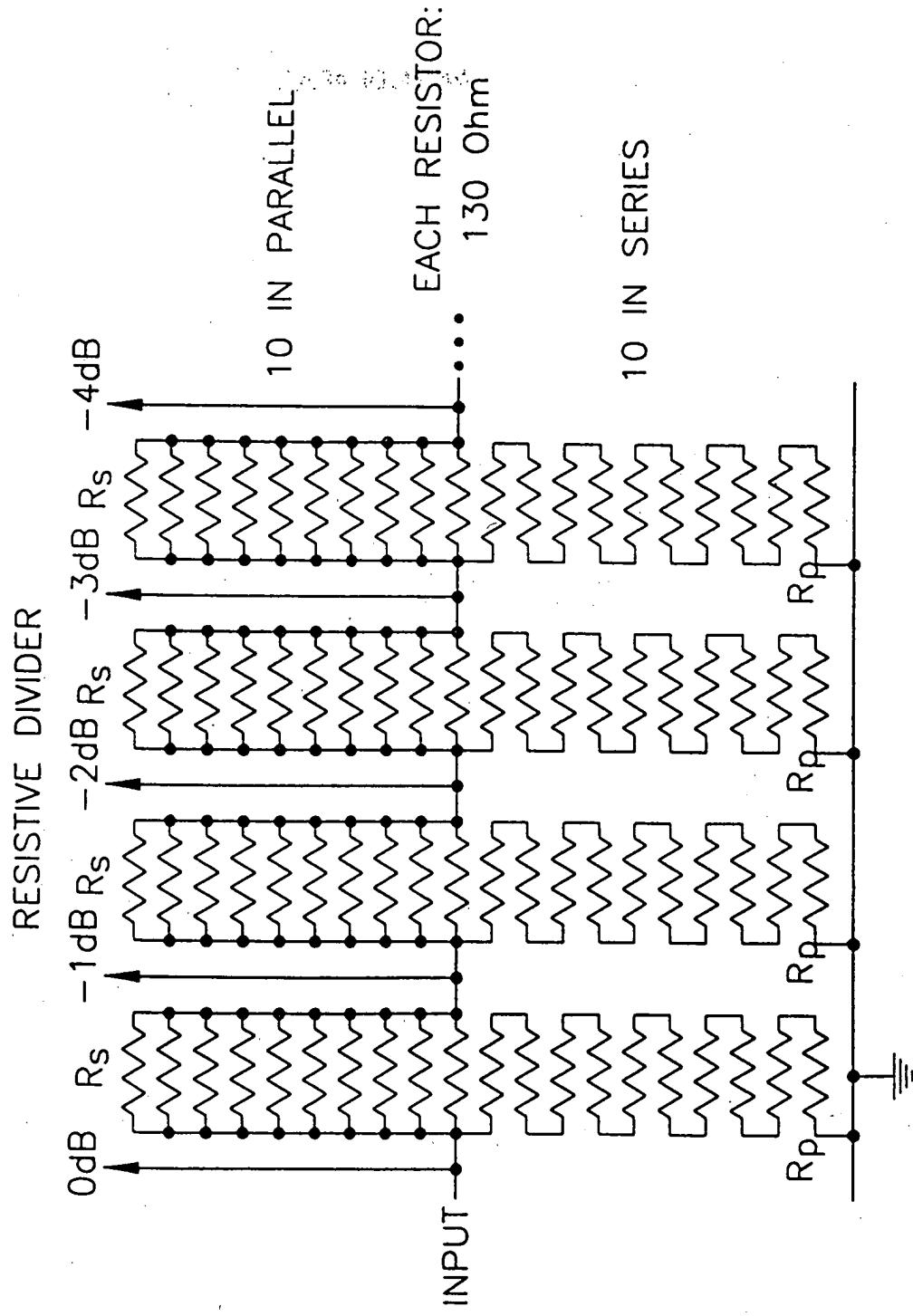


FIG. 42

NON-MONOTONICITY

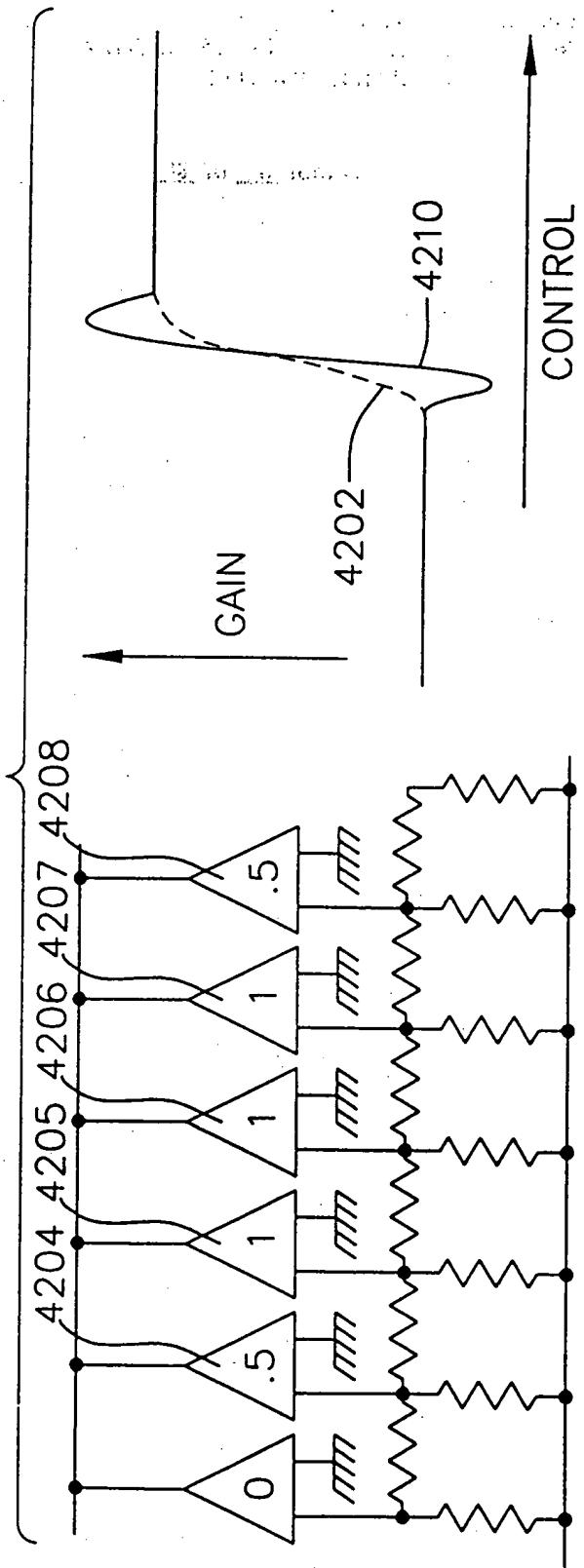


FIG.43
CLAMPING CONTROL RANGE

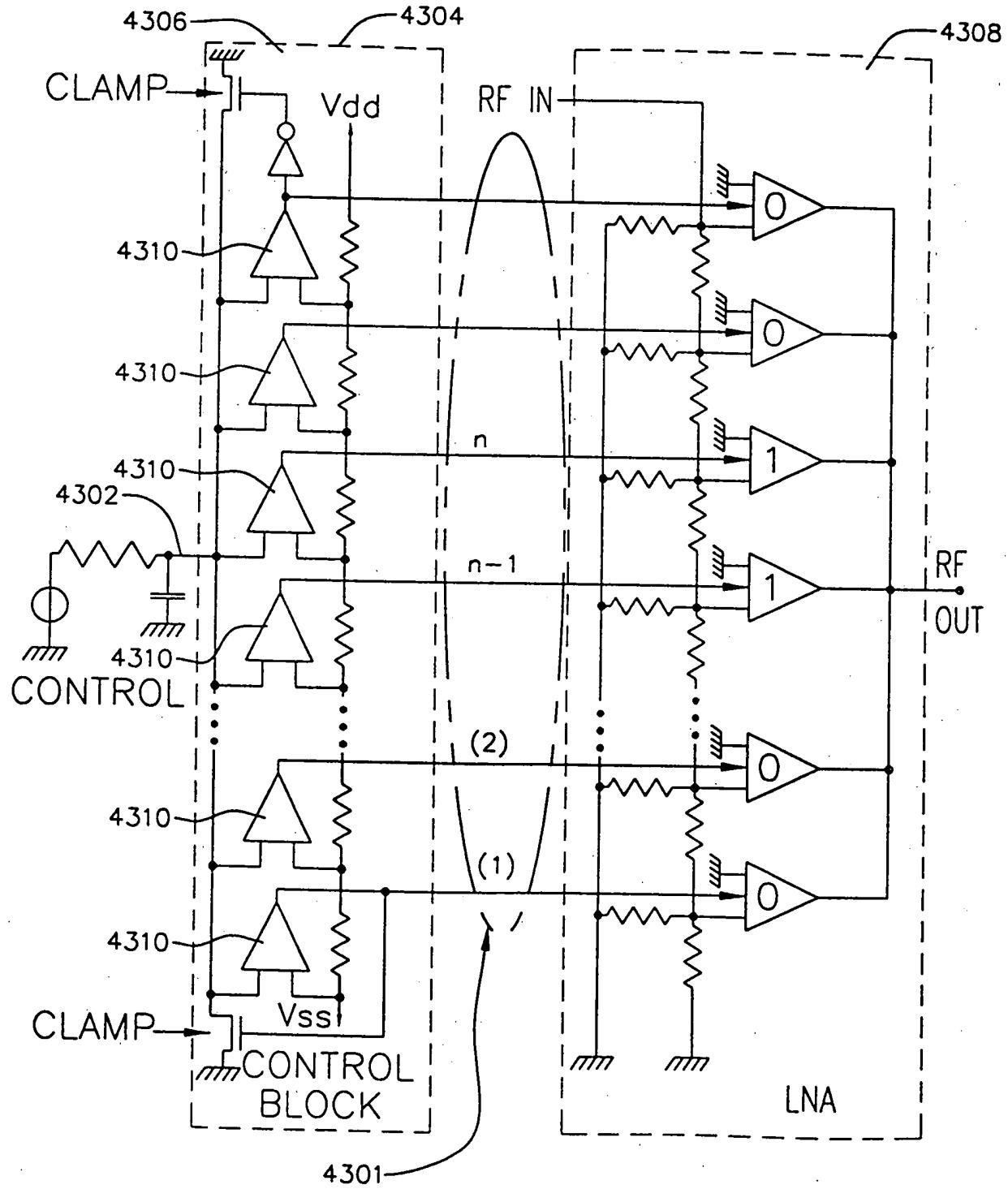


FIG. 44a
CONTROLLED GAIN COMPARATOR

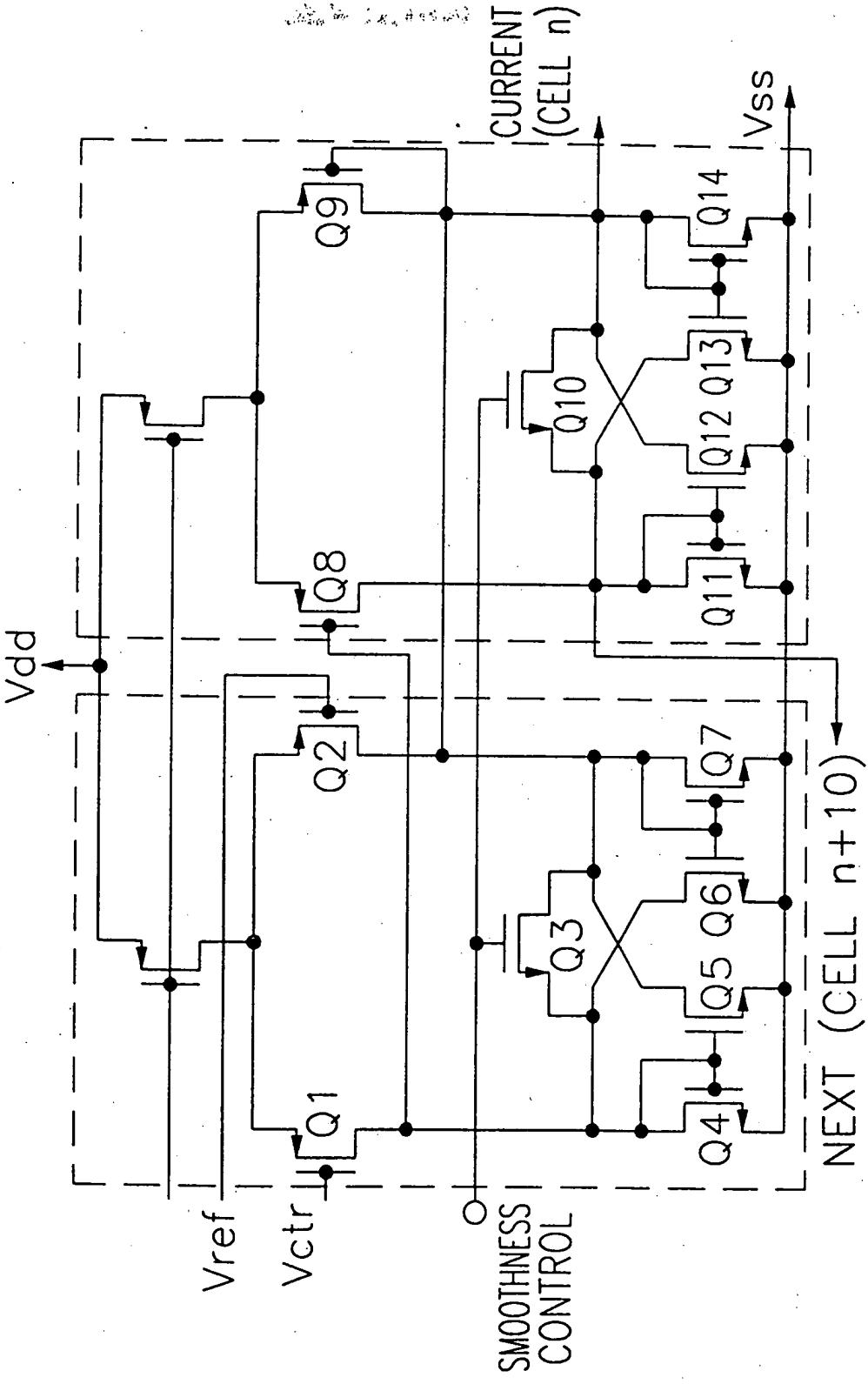


FIG. 44b

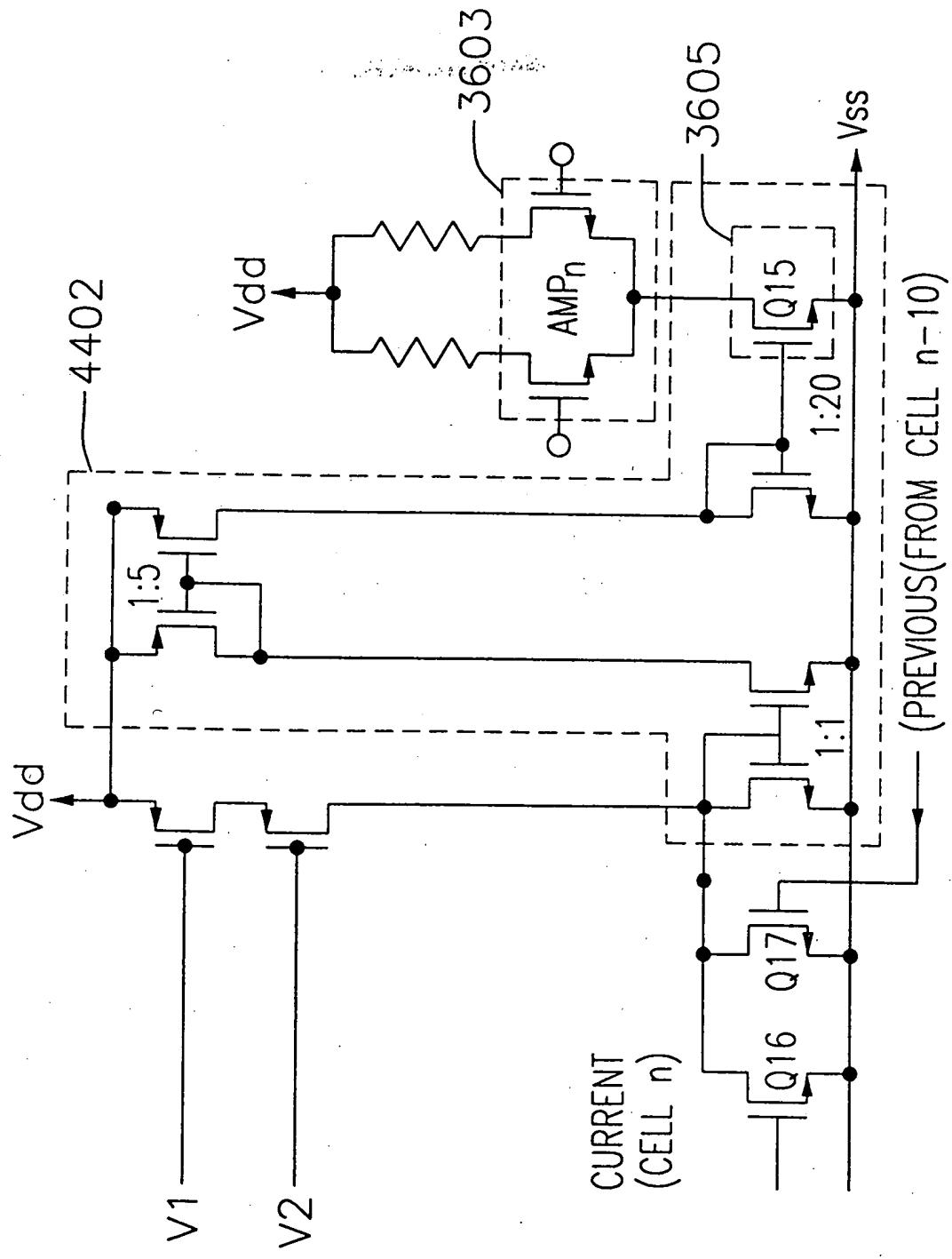


FIG.45

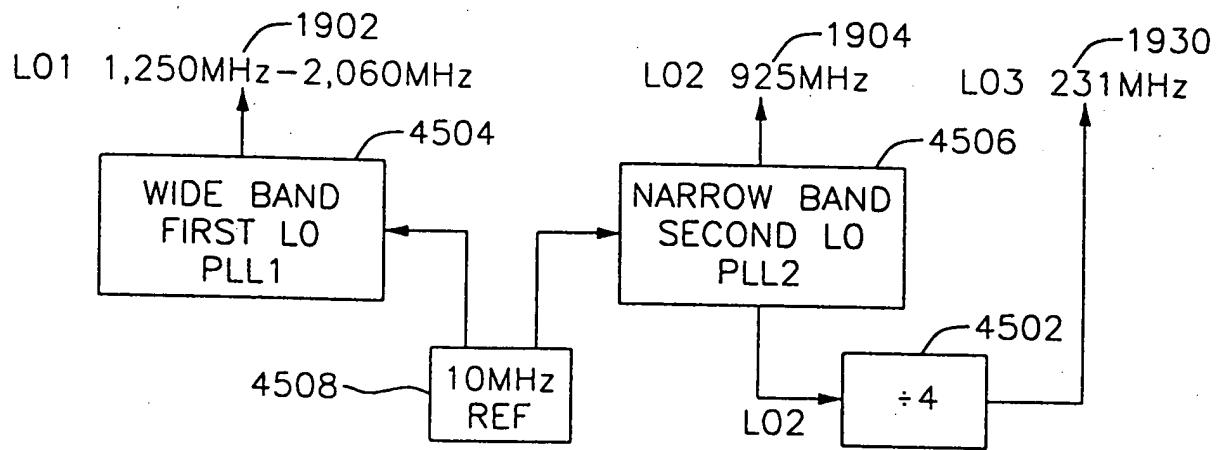


FIG. 46

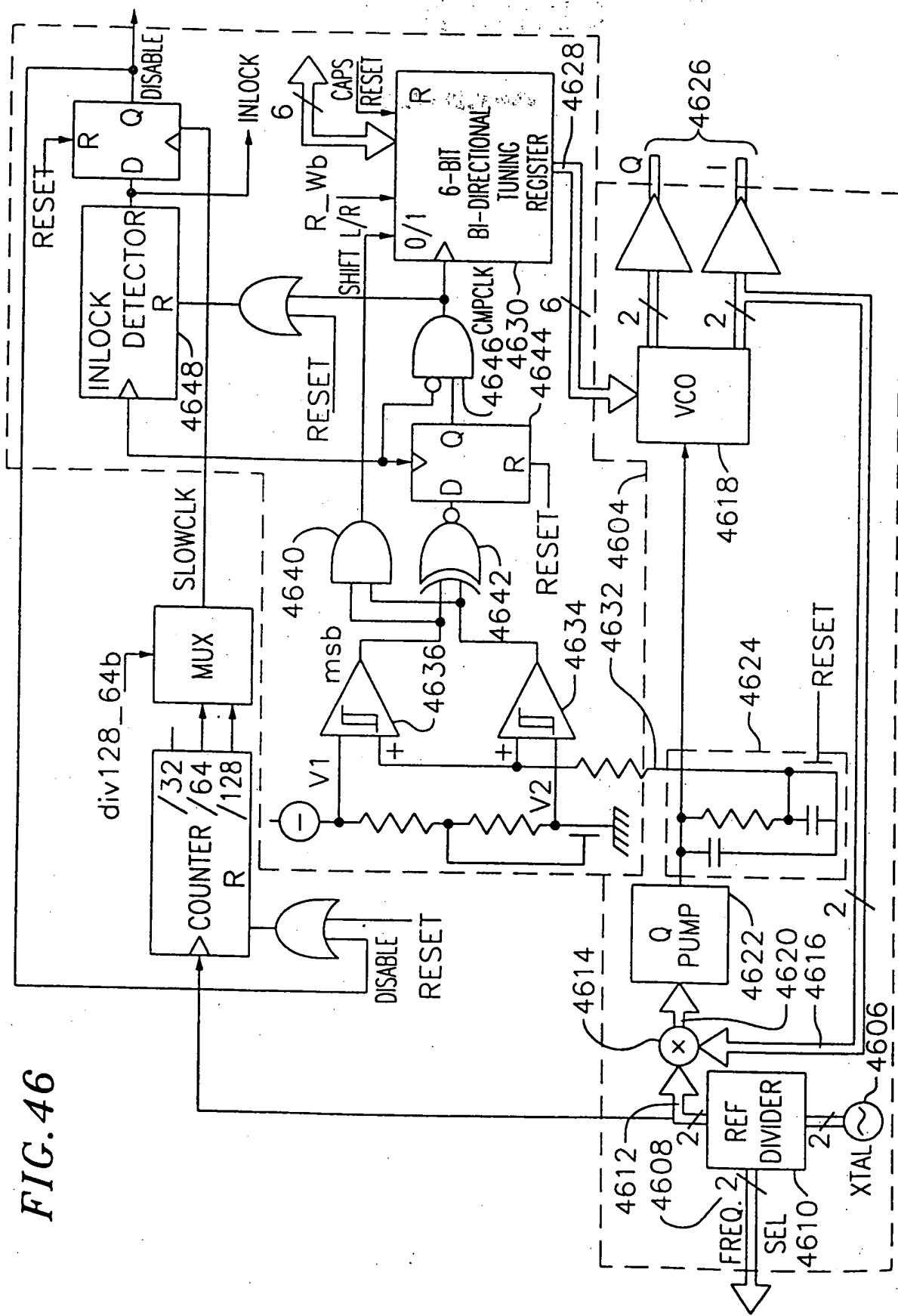


FIG. 47

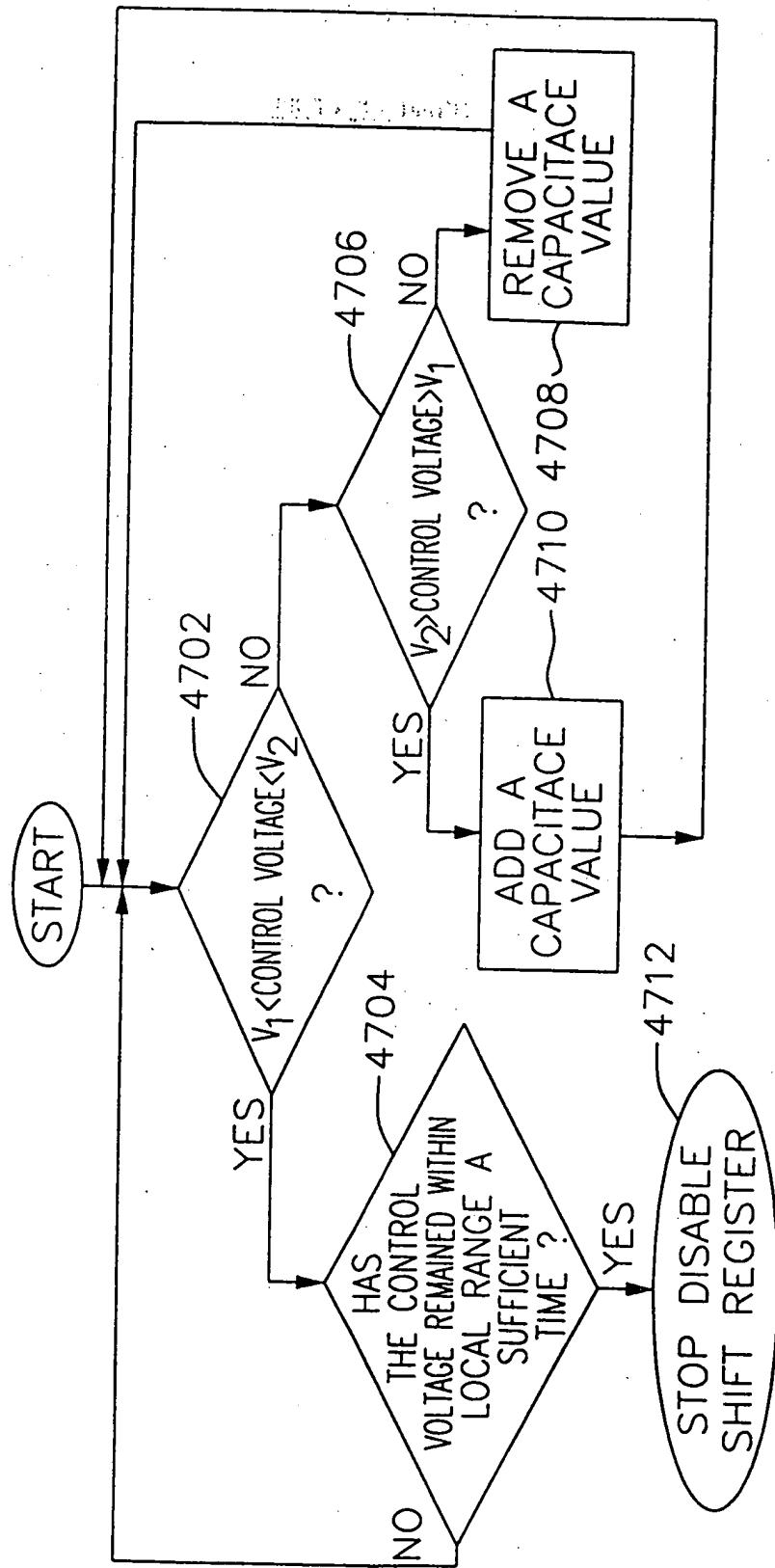


FIG. 48

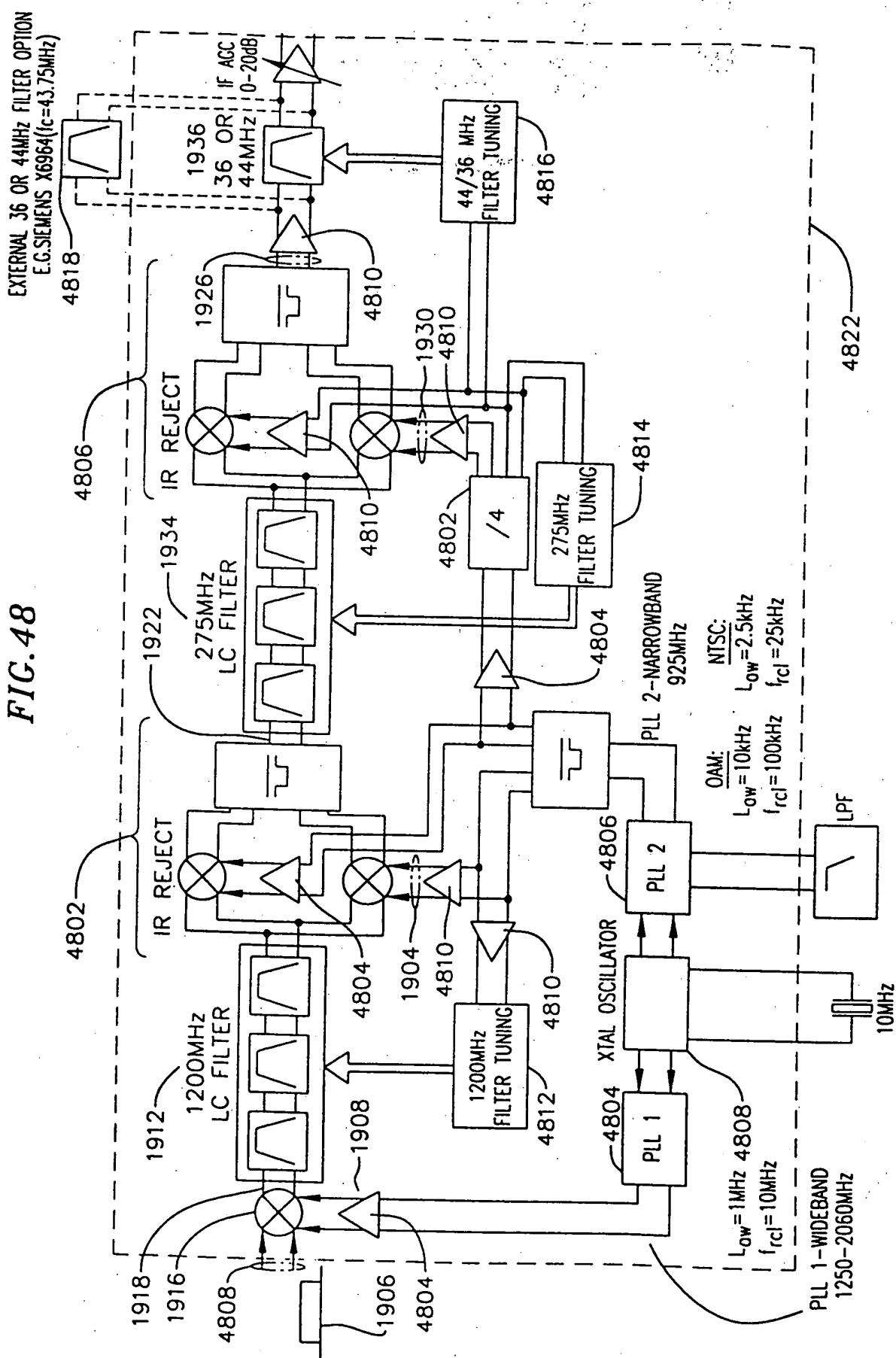


FIG. 49

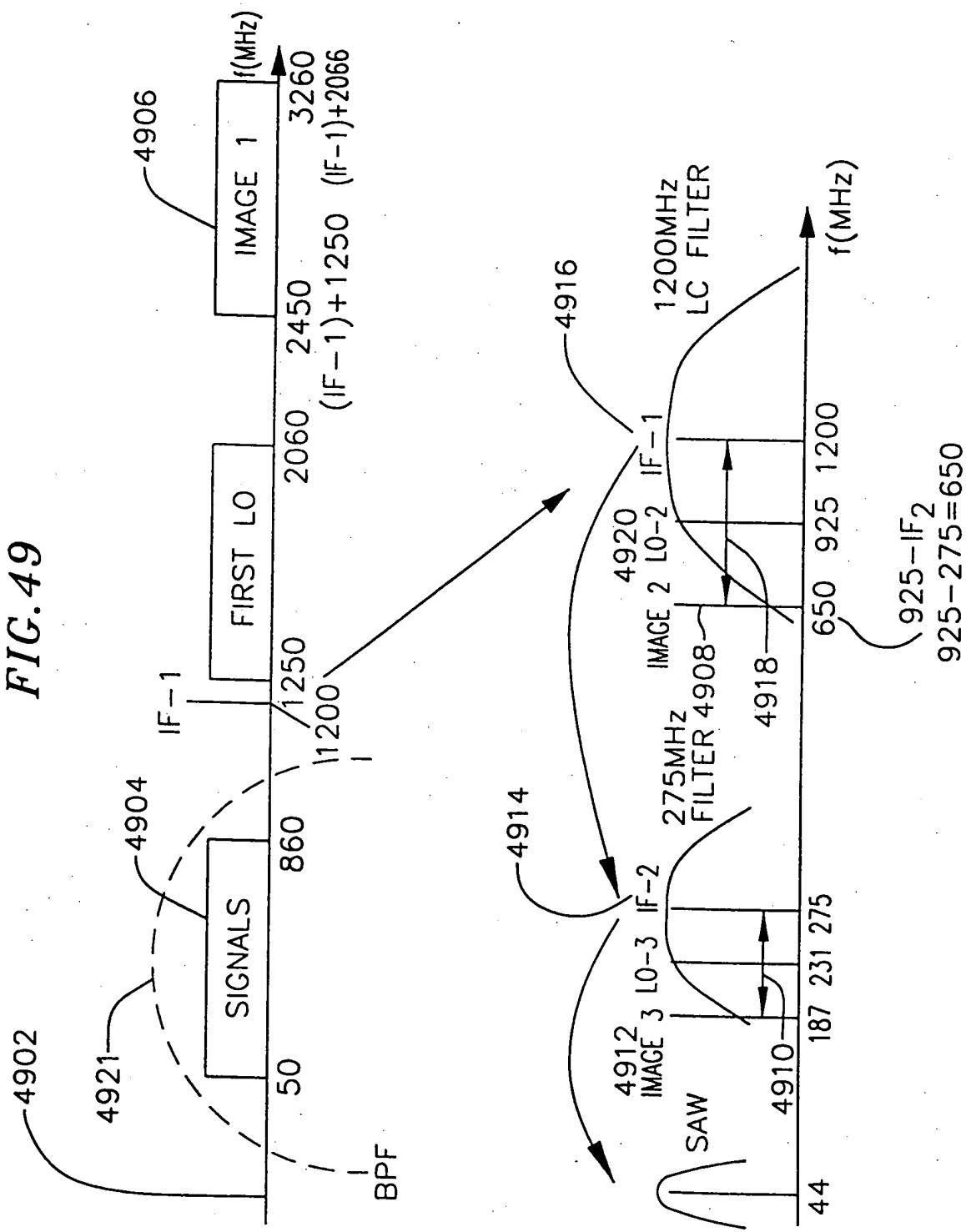


FIG. 50

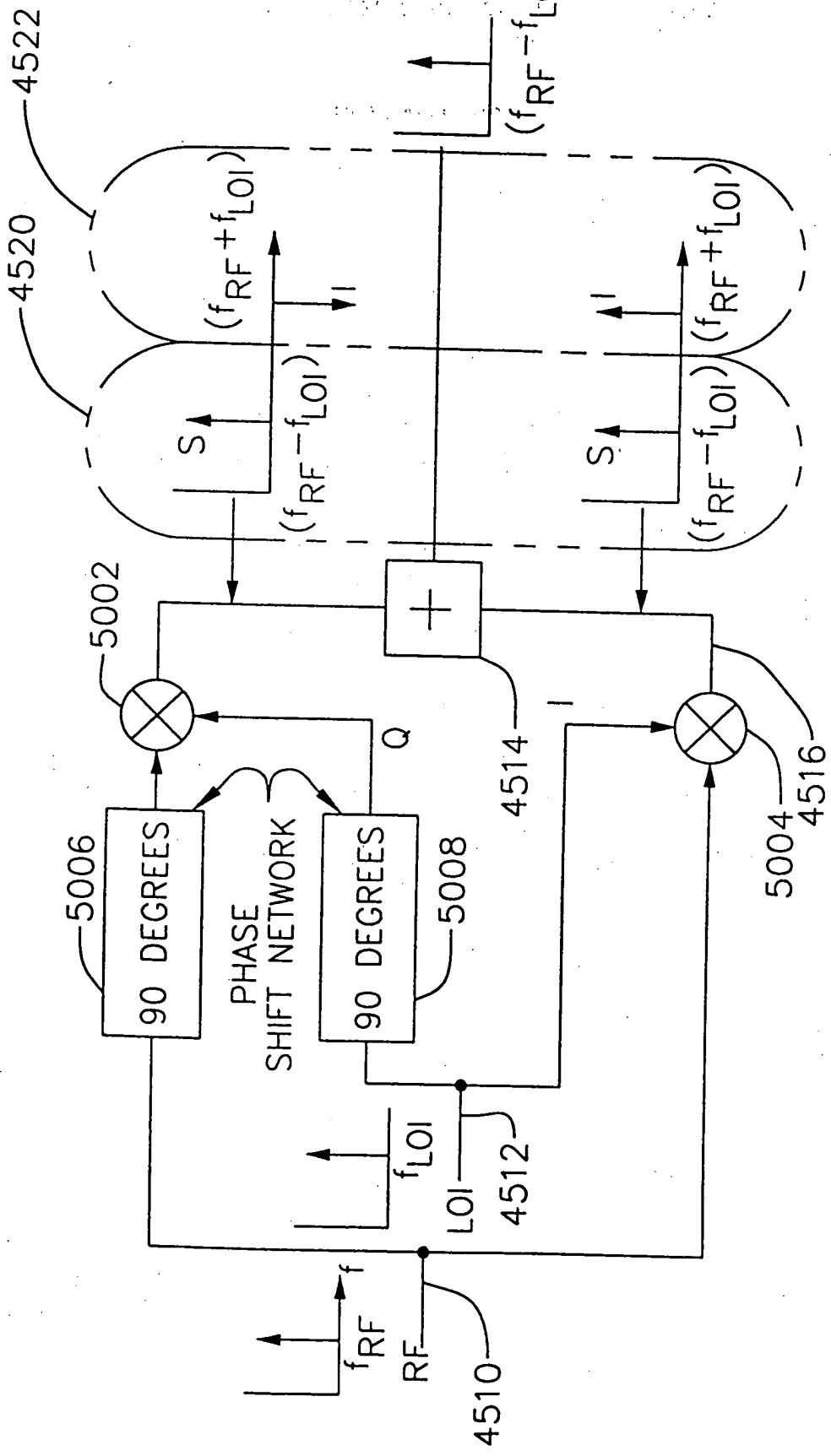


FIG. 51

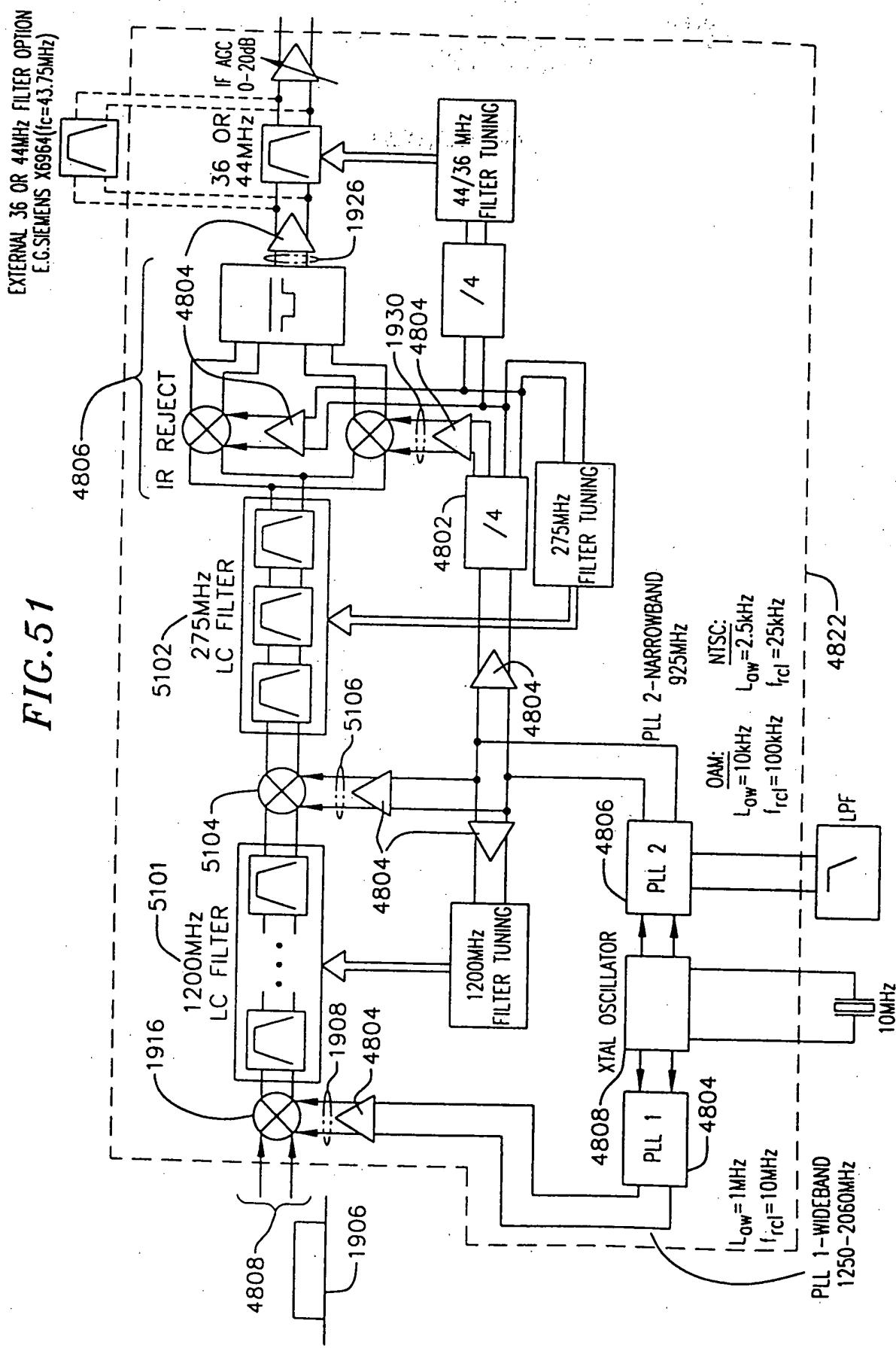


FIG. 5.2

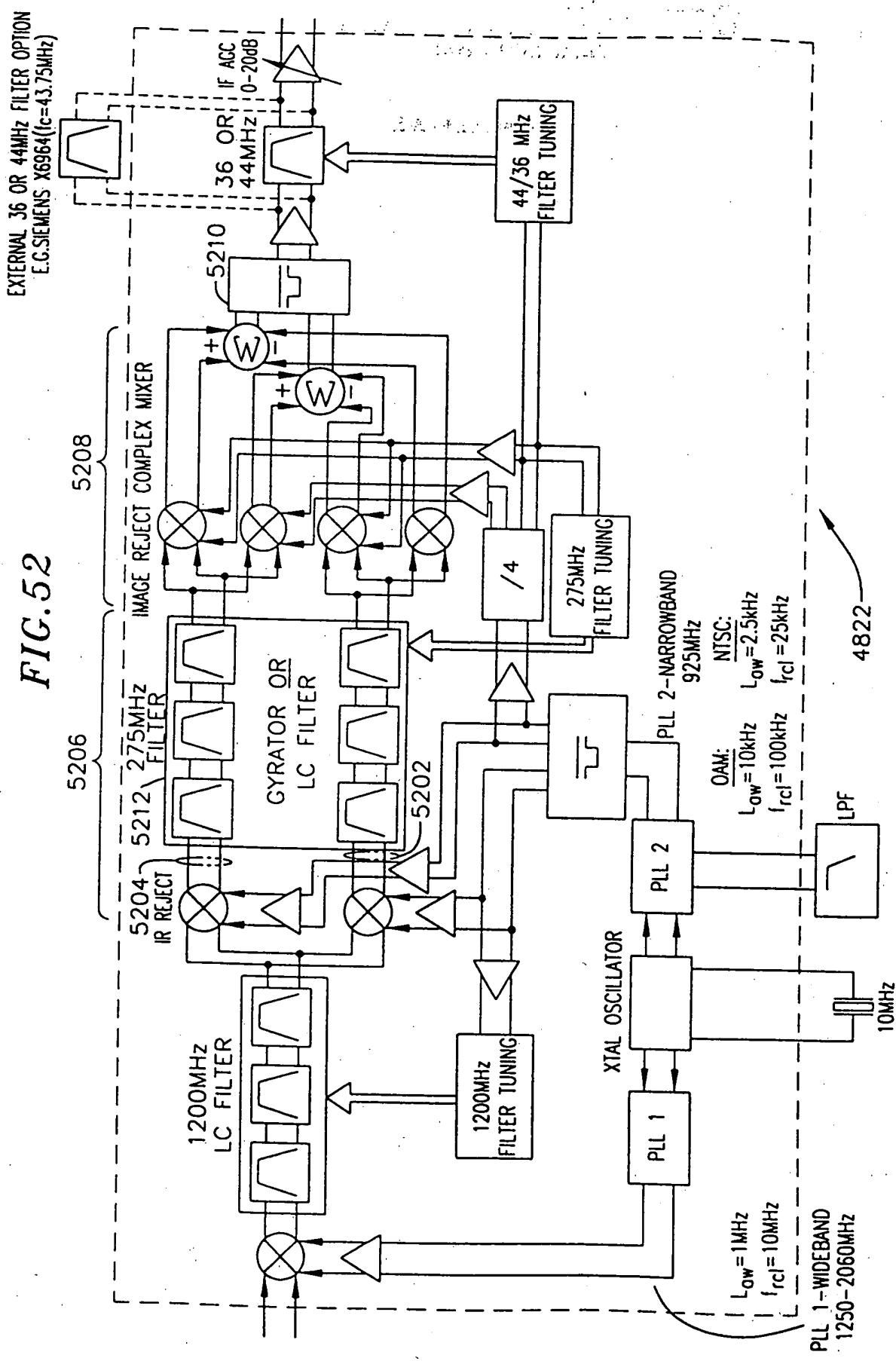


FIG. 53
CATV TUNER

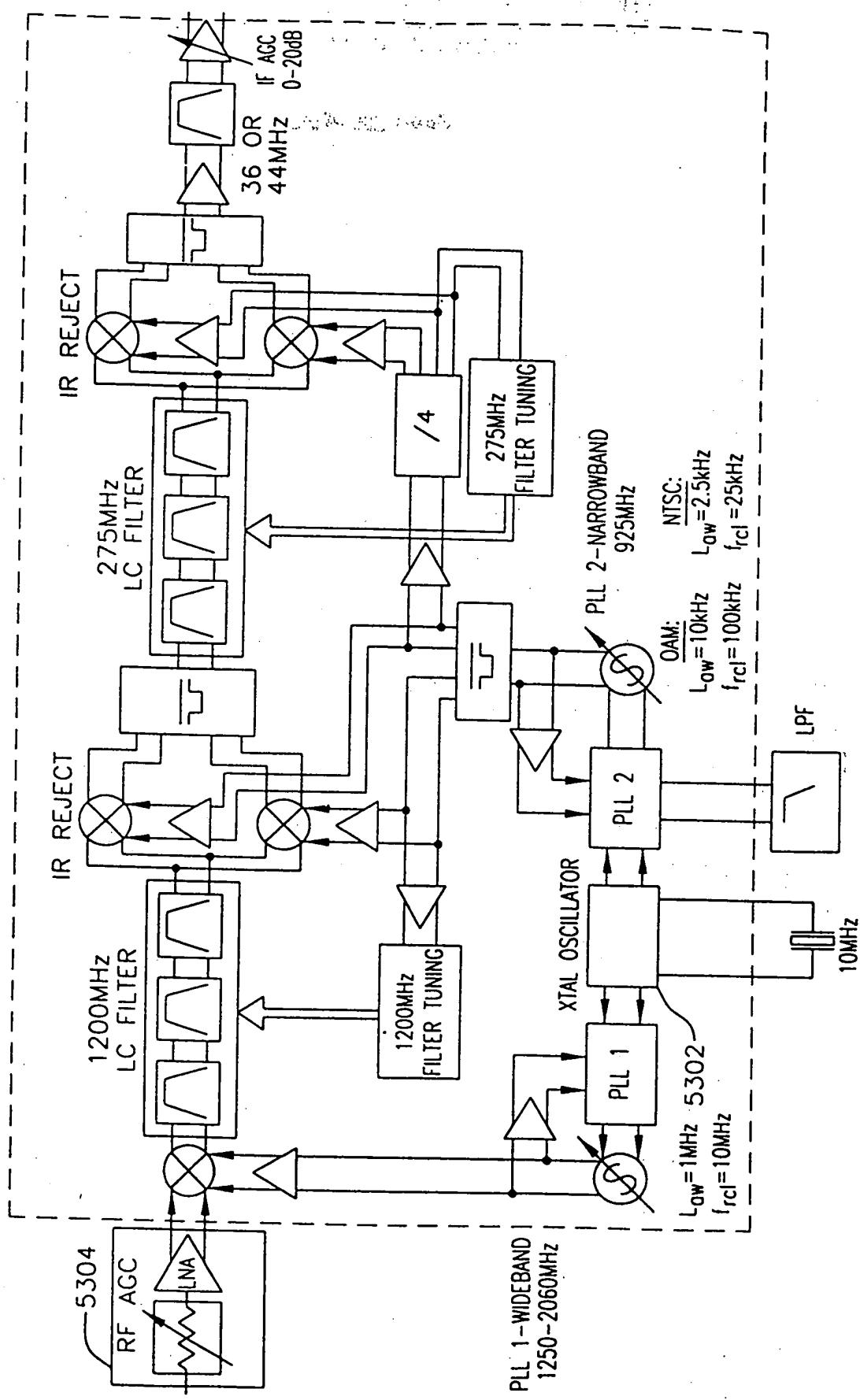
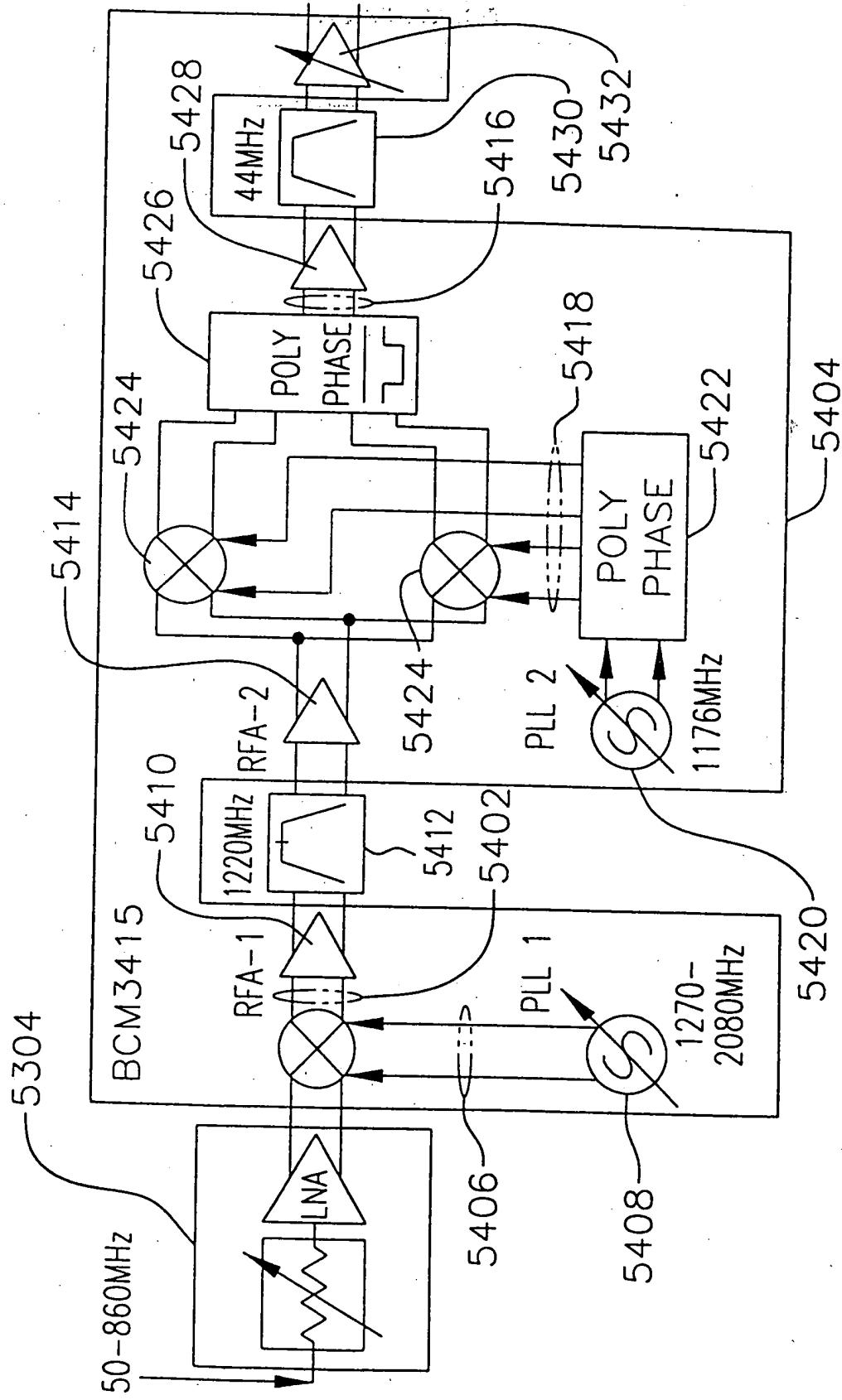
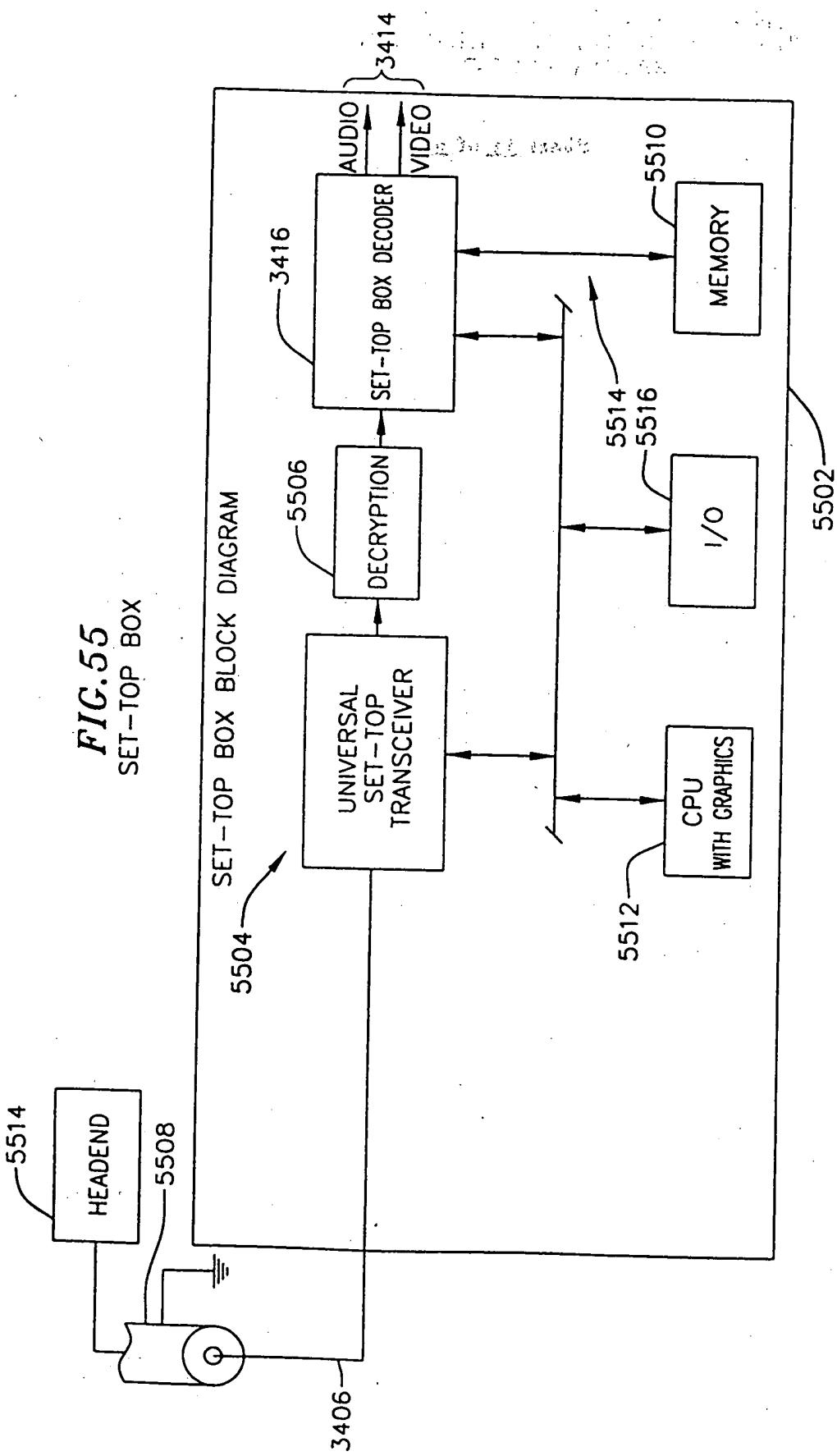


FIG. 54





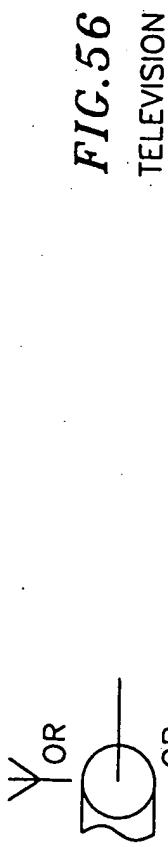


FIG.56

TELEVISION

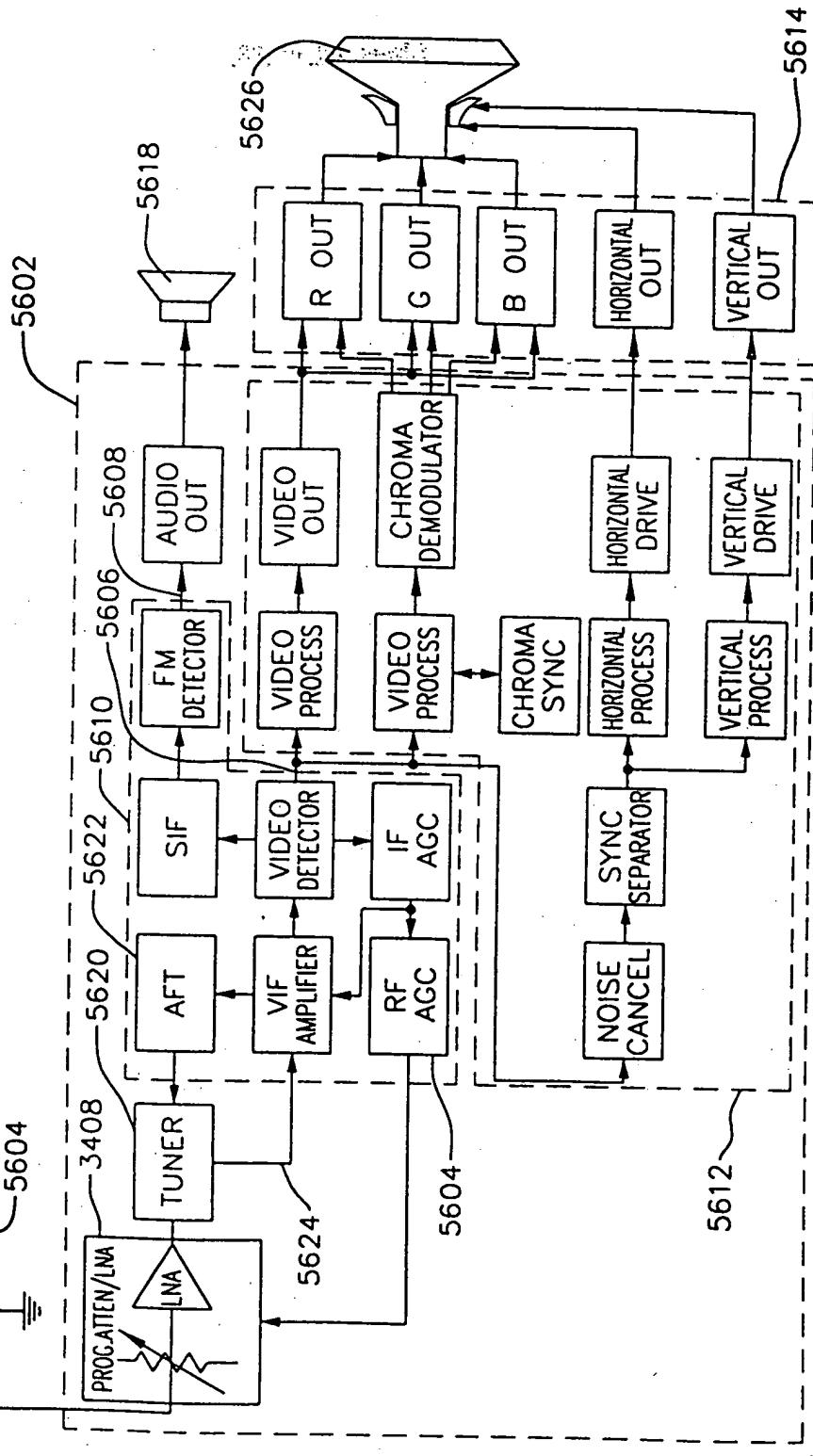


FIG. 57
VCR BLOCK DIAGRAM

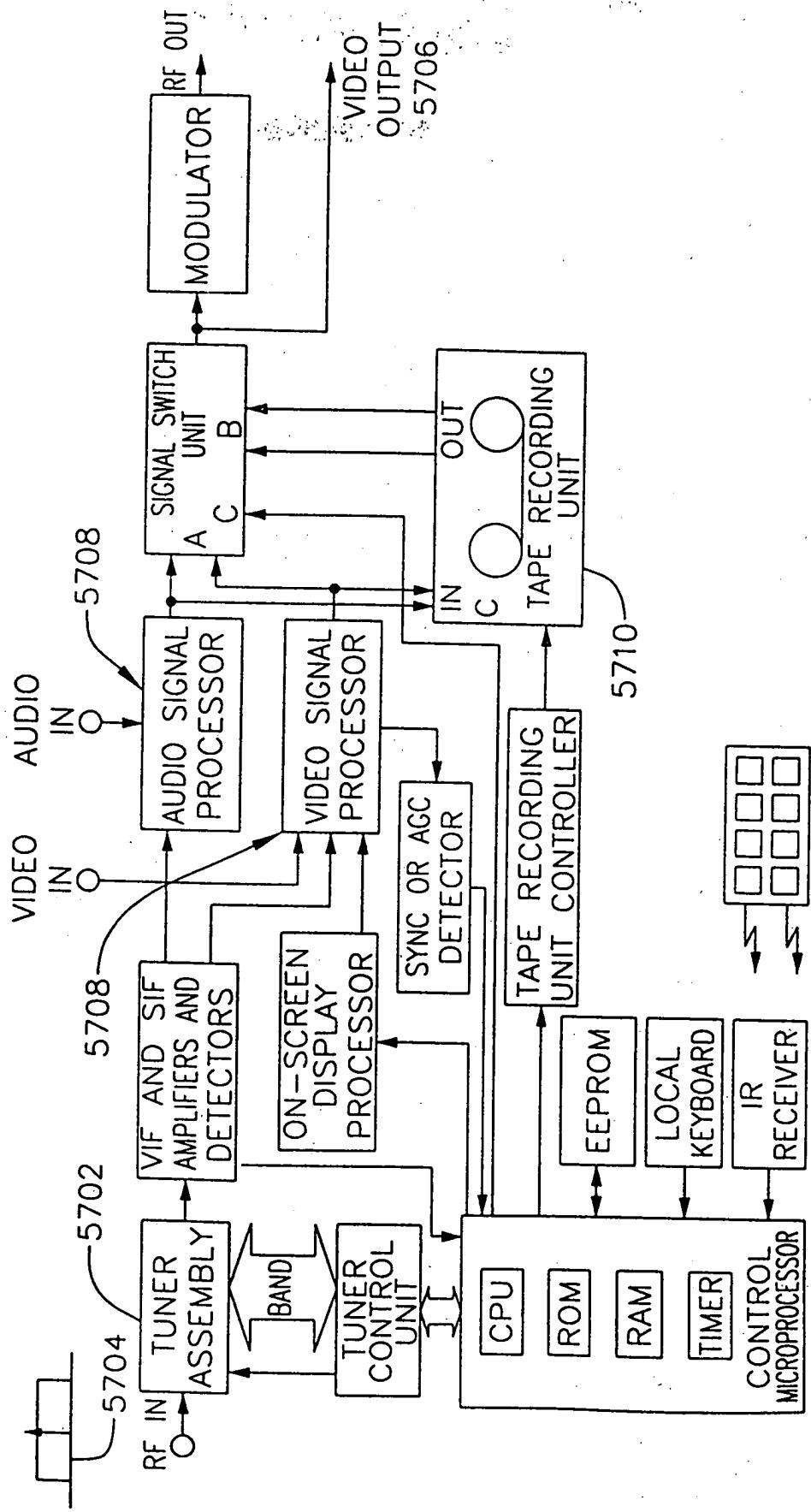
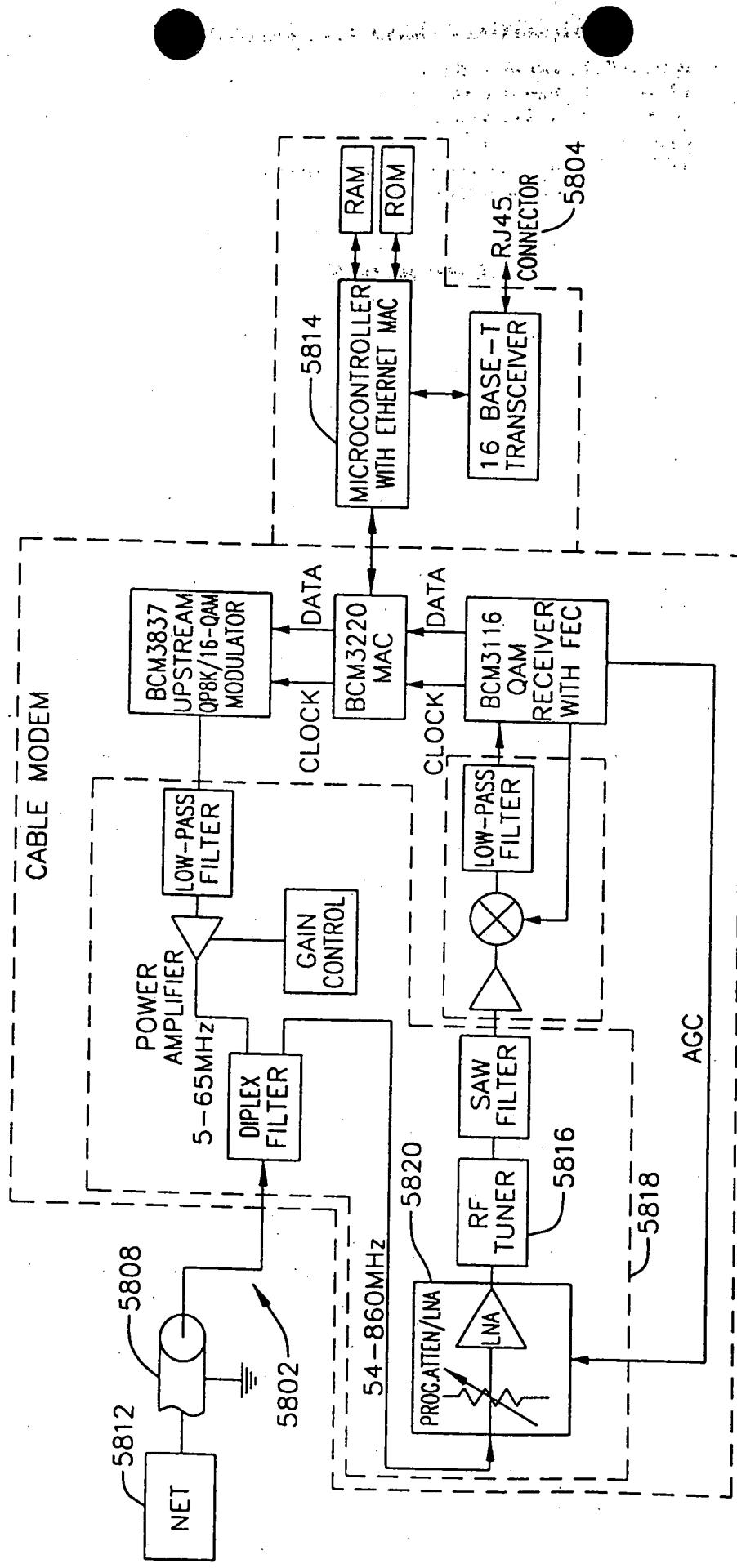


FIG. 58



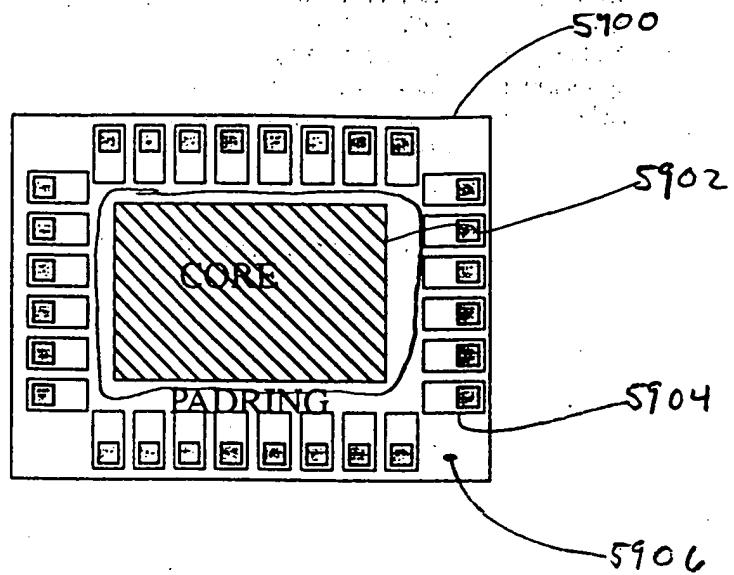


FIG 59

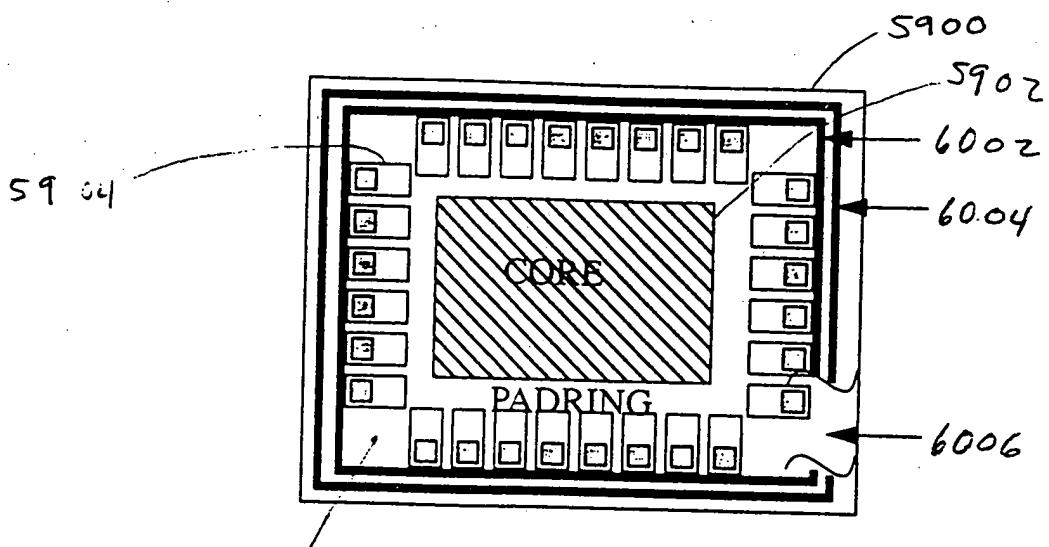


FIG 60

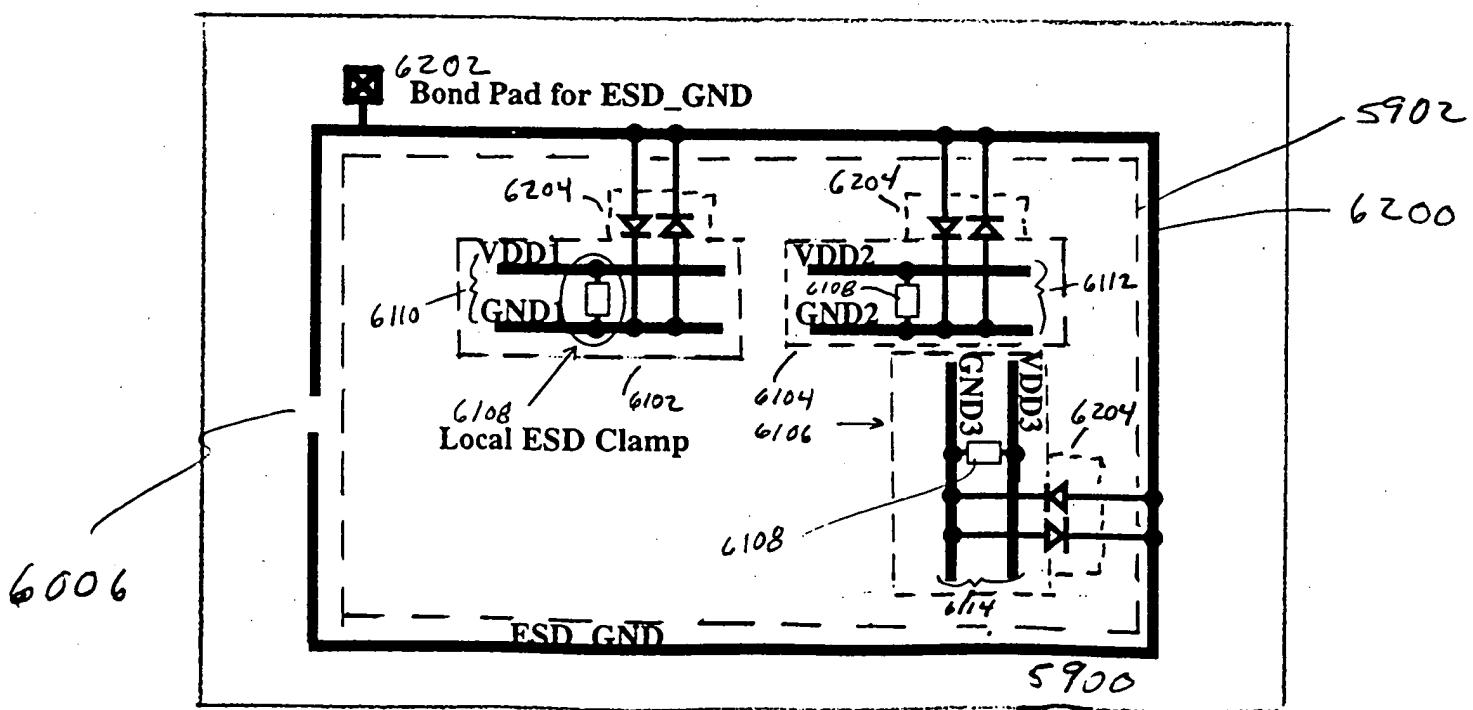
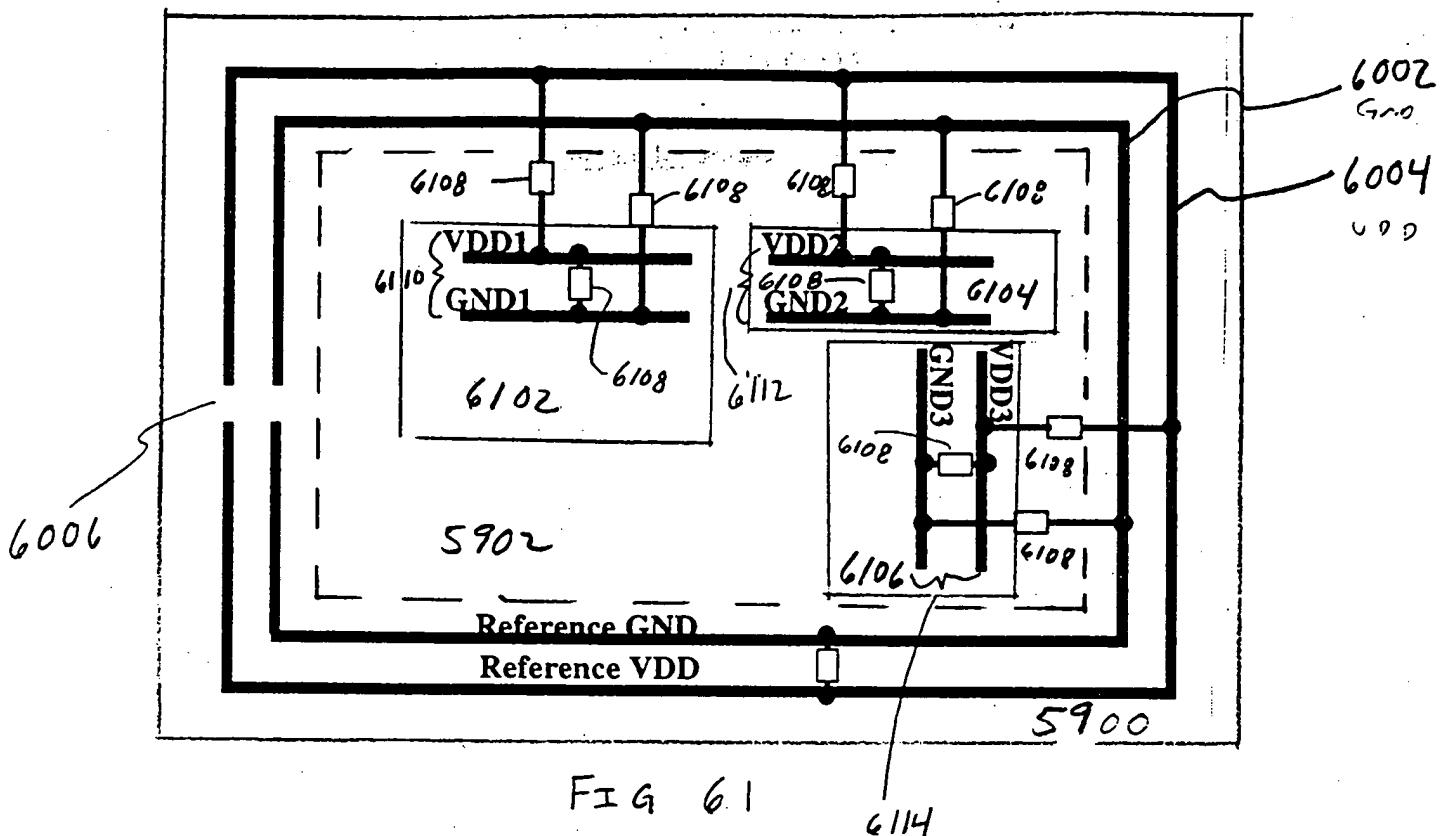


FIG 62

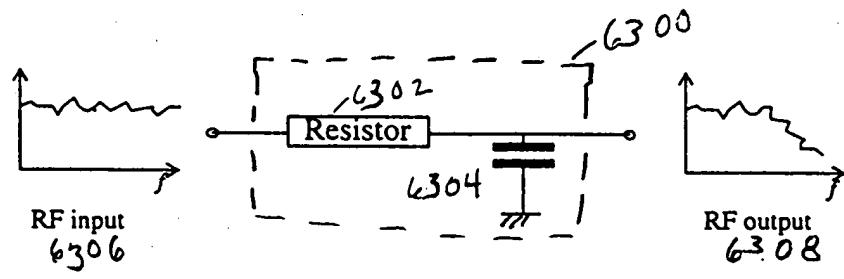


FIG 63

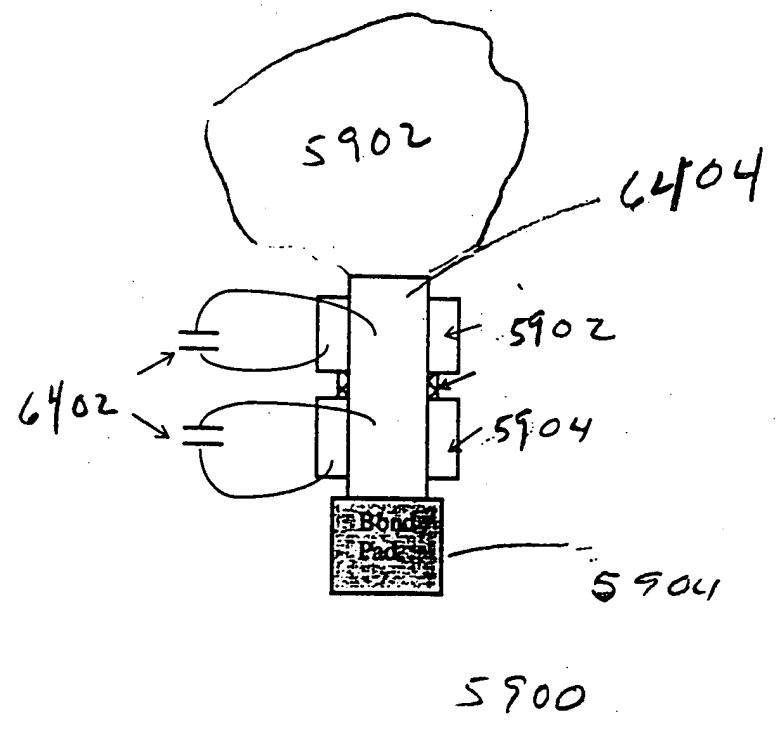


FIG 64

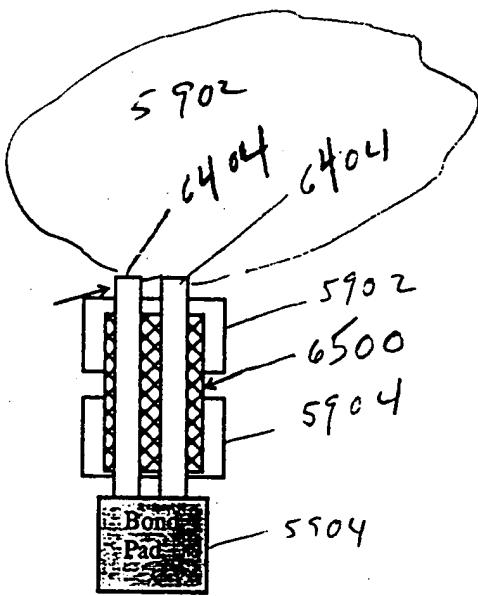
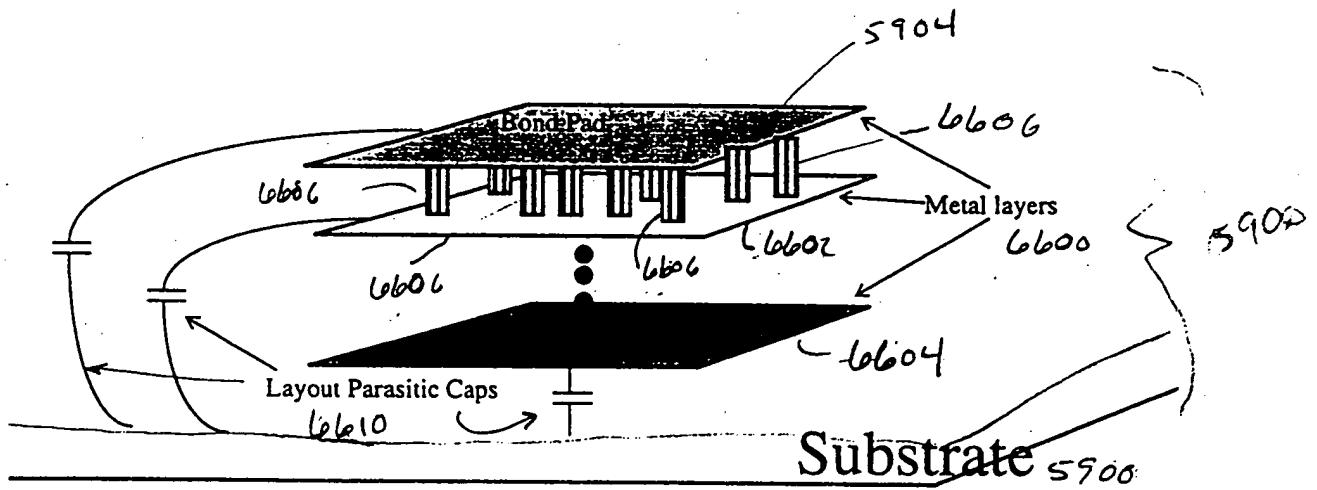


FIG 65



FIG_66

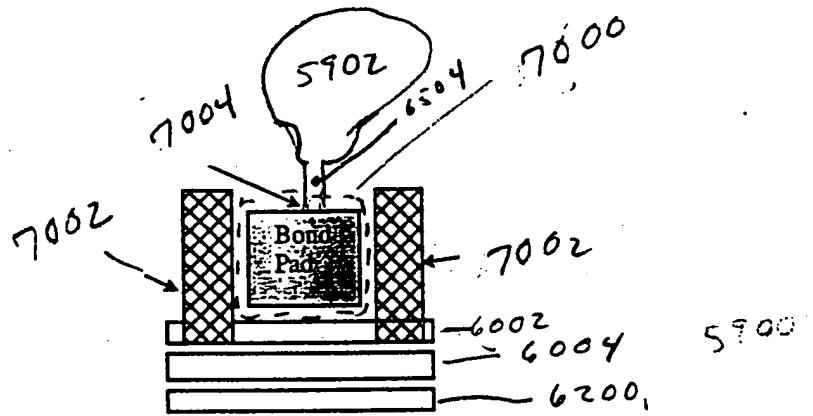


FIG 67

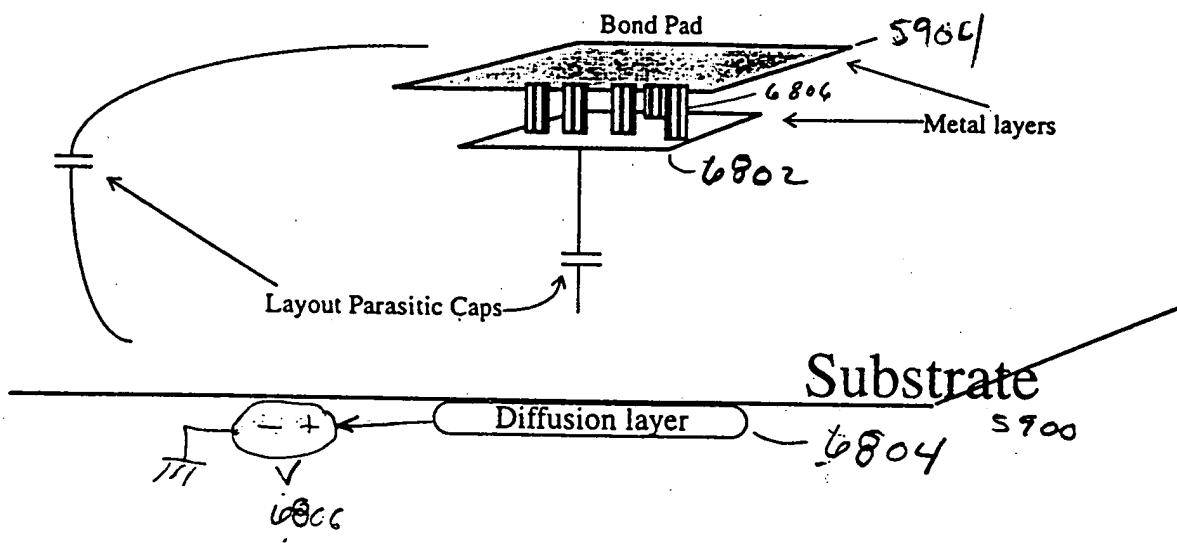
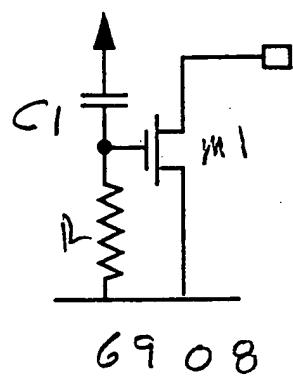
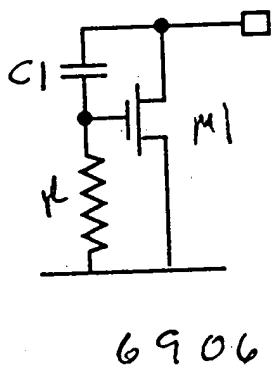
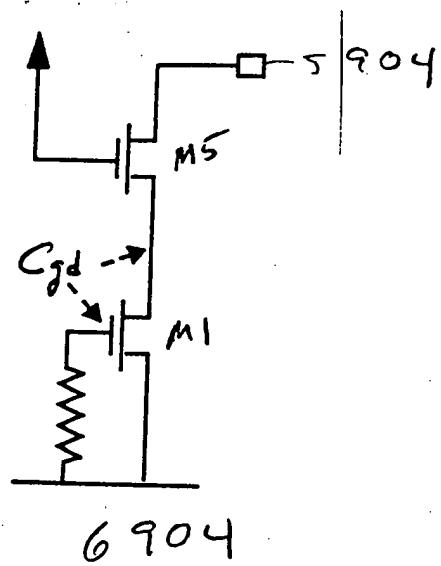
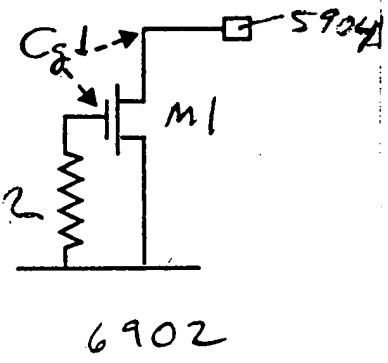


FIG 68



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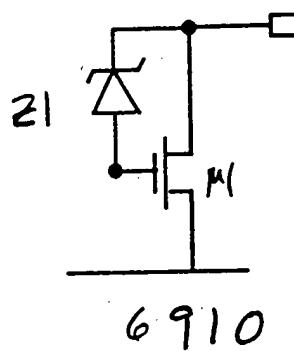


FIG 69

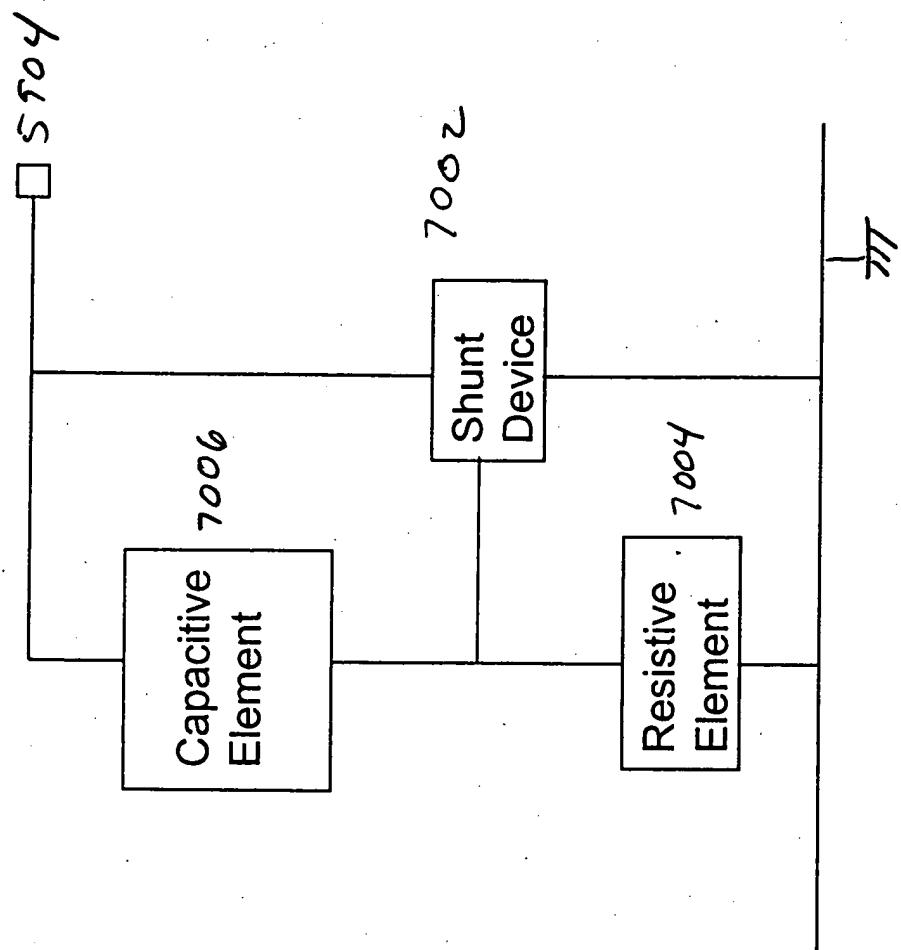


FIG. 70

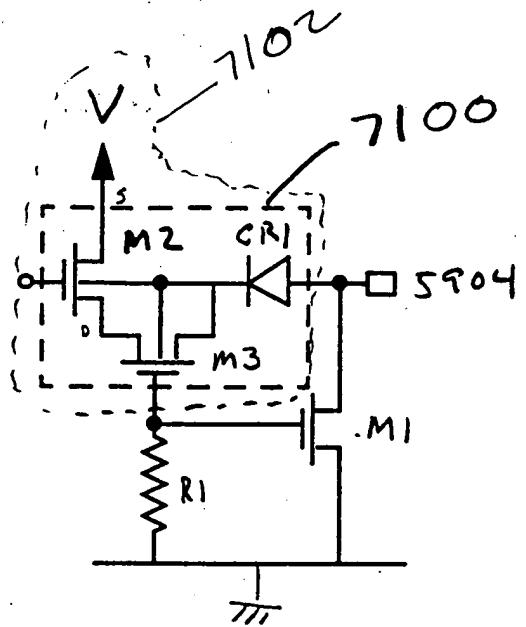


FIG. 71

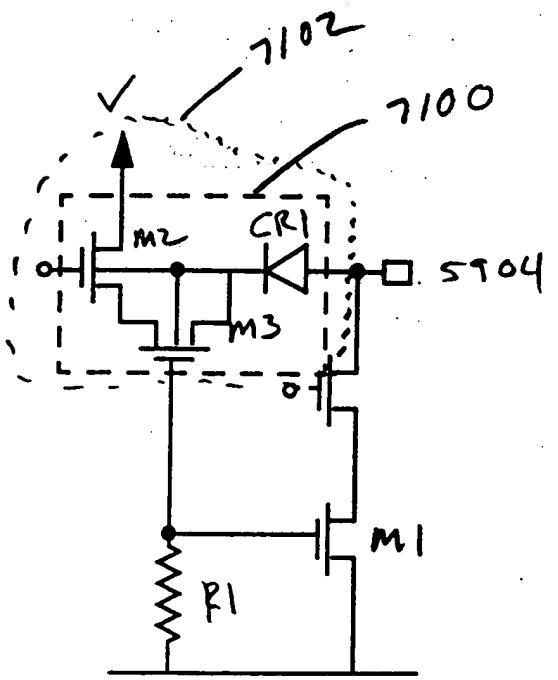


FIG. 72

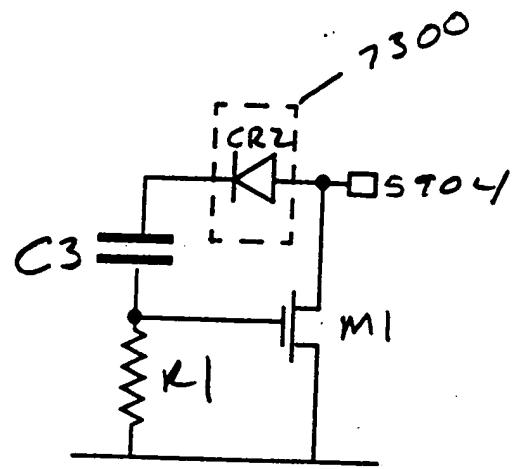


FIG. 73